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STANDARD GUIDES FOR PREPARATION OF

PROPOSED ITEM LOGISTICS DATA RECORDS

AUTHORITY. This standard is issued pursuant to the Federal Property and Administrative Services Act of 1949, as amended, and its application to the purchase of commodities referred to herein is mandatory on all Federal agencies.

Orders for this publication are to be placed with General Services Administration, acting as an agent for the Superintendent of Documents. Single copies of this standard are available at the GSA Business Service Centers in Boston, New York, Atlanta, Chicago, Kansas City, MO, Fort Worth, Denver, San Francisco, Los Angeles, and Seattle, WA. Additional copies may be purchased for $2.15 each from General Services Administration, Specification and Consumer Information Distribution Branch, Building 197, Washington Navy Yard, Washington, DC 20407.

FSC MISC

CONTENTS

SECTION 1 INTRODUCTION 1

SECTION 2 ABBREVIATIONS USED HEREIN 1

SECTION 3 GENERAL INSTRUCTIONS 2

SECTION 4 DEFINITIONS 4

SECTION 5 SELECTION AND USE OF CATALOGING TOOLS 7

SECTION 6 PREPARATION OF A PROPOSED ITEM LOGISTICS DATA RECORD (ILDR) USING A FIIG (OTHER THAN MISCELLANEOUS ITEMS FIIG (FIIG A239) 8

SECTION 7 PREPARATION OF A PROPOSED ITEM LOGISTICS DATA RECORD (ILDR) USING MISCELLANEOUS ITEMS FIIG (FIIG A239) 10

APPENDIX A SAMPLE PAGES OF CATALOGING HANDBOOK H6, SECTION A AND SECTION B, SUBSECTIONS 1 AND 2 . . . . . A-1

APPENDIX B SAMPLE PAGES OF FIIG A007A B-1

APPENDIX C SAMPLE ITEM LOGISTICS DATA WORKSHEET C-1

APPENDIX D MISCELLANEOUS ITEMS FIIG (FIIG A239) D-1

SECTION I

INTRODUCTION

1.1 Purpose. This standard outlines, in general terms, the procedures by which manufacturers, suppliers, contractors, or other nongovernment agencies will furnish the Federal Government with identification and supply data for the items being supplied. These data are required for the internal management of supply items within the government and provide the basis for the identification and stock numbering of these items in the Federal Catalog System.

1.2 Scope. This standard covers the basic instructions and conditions for obtaining the necessary identification and supply data, usually from government suppliers, prior to or at the time of procurement, when procurement of such logistics data is contractually specified or ordered. Anyone making use of this standard is encouraged to report any errors discovered and any recommendations for additions, changes, or deletions to the preparing office (Directorate of Cataloging, Defense Logistics Services Center, Battle Creek, Michigan 49016) through the contracting government activity.

SECTION 2

ABBREVIATIONS USED HEREIN

DLSC	Defense Logistics Services Center
FDM	Full Descriptive Method
FII	Federal Item Identification
FIIG	Federal Item Identification Guide
FILDR	Federal Item Logistics Data Record (DD Form 146)
FSC	Federal Supply Classification
FSCM	Federal Supply Code for Manufacturers
II	Item Identification
ILDR	Item Logistics Data Record
INC	Item Name Code
MRC	Master Requirements Code
MRD	Master Requirements Directory
NCB	National Codification Bureau
NIIN	National Item Identification Number (Formerly Federal Item Identification Number (FIIN))
NSN	National Stock Number (Formerly Federal Stock Number (FSN))
PAC	Primary Address Code
PDM	Partial Descriptive Method
RDG	Reference Drawing Group
SR	Standard Requirement

SECTION 3

GENERAL INSTRUCTIONS

3.1 Implementing Specifications: Due to differences in logistics supply support systems and supply management policies in the various departments of the Federal Government, there are varying conditions under which these logistics data are to be furnished to the government. Accordingly, Executive Departments of the Federal Government, Military Departments of the Department of Defense, and Independent Offices and Establishments under the Executive Office of the President are authorized to include the requirements of this standard in approved series of implementing specifications (if implementing specifications are required) for the purchase of logistics data from government suppliers. The implementing specifications, when required, shall refer to this standard as the authority for inclusion of detailed instructions peculiar to a service or department and shall include this standard as an "applicable document."

3.1.1 Content of Implementing Specifications: Implementing specifications or other contractual documents may require that government suppliers furnish the minimum data necessary to identify items of supply in the Federal Catalog System, or they may require logistics data for other purposes in the form of drawings, stock lists, brochures, functional descriptions, etc., in addition to the minimum identification data. (Drawings, if required, must be provided in accordance with MIL-D-1000.) Upon occasion, the contracting agency may require government suppliers to furnish partial descriptions of items of supply or supporting logistics data to supplement data already available to the government. Detailed instructions to contractors regarding lists of items requiring descriptions, sequence and format of the listing, number of copies of forms, and other contractual arrangements may be included in implementing specifications or in the accompanying contractual documents.

3.1.2 Delivery of Logistics Data: Schedules and time limits for delivery of proposed logistics data by the contractor shall be established in implementing government contractual documents.

3.1.3 Furnishing National Stock Number: Where National Stock Numbers (NSNs) for contractor-prepared logistics data are required to be furnished the contractor by the contracting office, schedules and time limits for such action shall be established in implementing government specifications or other contractual documents. New NSNs shall not be requested from DLSC by contractors or other nongovernmental agencies.

3.2 Sources of Manuals, Handbooks, and Federal Item Identification Guides: Contractors can purchase manuals and handbooks from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Federal Item Identification Guides (FIIGs) must be purchased from DLSC. A listing of publications giving descriptions is published in a publication entitled "Introduction to Federal Supply Catalogs and Related Publications, Cl, Volume 1, Federal Supply Catalog Index of Federal Catalog System Publications," which may be obtained from the Defense Logistics Services Center, Battle Creek, Michigan 49016. The contractor shall not use FIIGs received under former contracts unless authority to do so is obtained from the government procuring activity.

3.3 Furnishing of Manuals, Handbooks, and Federal Item Identification Guides: The procuring activity may authorize an initial distribution of these publications, without charge, to commercial activities having, or anticipating to have, a number of concurrent government contracts wherein preparation of proposed Item Logistics Data Records (ILDRs) is contractually prescribed. Once the initial distribution has been made, commercial activities shall be responsible for purchasing supplements to basic volumes needed to keep the documents and data current. The procuring activity may furnish contractors engaged under a government contract a minimum number of specific Federal Item Identification Guides (FIIGs) and related reference drawings, cataloging manuals, and handbooks, without charge, provided that acquisition of these documents by the contractor concerned has not been contractually prescribed. It will be the responsibility of the government procuring activity to furnish the latest revision of all such documents or inform the contractor as to the latest revision of these documents when required to purchase them.

3.4 Source of Fed. Std. No. 5F: Copies of this standard are available for inspection at the Business Service Centers of the General Services Administration (see front cover) and may be purchased from the General Services Administration, Specification and Consumer Information Distribution Branch, Building 197, Washington Navy Yard, Washington, DC 20407.

3.5 Responsibility: When preparation of proposed ILDRs is required as part of a contract with the Federal Government, it is the responsibility of the contractor to furnish such proposed ILDRs prepared in accordance with this standard (or portion thereof), for each different single item, group of items, component part, subassembly, major assembly, and/or end item as are specified by the contracting Federal Government activity or an activity designated by the contracting activity.

3.6 Security Classified Information: When preparation of a proposed ILDR would reveal characteristics which subject the item to security classification, the contractor shall reveal such characteristics only in properly classified ILDRs. Data records containing classified information shall be marked and handled in accordance with government security regulations (DoD 5220.22-M, Industrial Security Manual for Safeguarding Classified Information). ILDRs for security classified parts, which are listed on unclassified parts lists, should be limited to the item number (or reference designation number), item name, part number, and a notation to the effect that the additional identifying data is furnished on classified supplementary sheets.

3.7 Quality Assurance: Logistics data submitted by the contractor to the specified government agency shall be complete and accurate and in conformance with the instructions of this standard and the stated requirements of the other documents referenced in the contract.

SECTION 4

DEFINITIONS

4.1 Approved Item Name: A name approved by the U.S. Government as the official designation for an item of supply. (See Appendix A, page A-8.)

4.2 Collection Type Item: An item of supply consisting of two or more items, which are themselves generally items of supply, is to be considered as a "collection" type item when the included items are not designed for assembly and/or when the included items are not assembled as an operating unit prior to installation or use (e.g., Parts Kit; Micrometer Caliper Set; Sewing Kit).

4.3 Criticality Code: A single character code ("C" or "N") used to indicate whether or not one or more replies on the proposed ILDR are considered critical in accordance with the DIDS Procedures Manual (DoD 41ØØ.39-M). When an item is technically critical, by reason of tolerance, fit restrictions, or other characteristics which affect identification of the item, the critical requirement(s) will be identified in the Criticality Justification Requirement CRTL by PAC. If more than one requirement is critical, "anding" will be used to identify each (e.g., CRTLAANNQ$$AANNR*). (See Section I of Sample FIIG in Appendix B, page B-28.)

4.4 Document Control Number: A series of codes consisting of the 2-character code for the originating activity, the 2-character code for the submitting activity, the last two digits of the calendar year in which the document number was assigned, a three-digit number to indicate the Julian Day, and the 7-character document control serial number assigned by the originating activity (e.g., CXCX743511234567).

4.5 Federal Catalog System: The Federal Catalog System is designed to establish a single name, identification, and NSN for each item of supply repetitively used, purchased, stored, and issued by government agencies. By use of this common language, procurement, distribution, storage, issue, disposal, and related logistics operations can be performed with greater effectiveness and efficiency. It enables each government activity to refer to the same item of supply in exactly the same terms in dealing with industry and with other government activities. The Federal Catalog System consists of (1) the policies, principles, rules, guides, and procedures for naming, identifying, classifying, and stock numbering items of supply, (2) the approved Federal Item Identifications and the publication thereof, and (3) related data collected, maintained and published in the catalog system for use in logistics and related supply management functions.

4.6 Federal Item Identification (FII): An approved II for an item of supply to which an NSN has been assigned.

4.7 Federal Item Identification Guide (FIIG): A guide prescribing standard requirements, formats, and a machine-oriented coding structure for the collection of item characteristics and other item-related logistics data.

4.8 Federal Item Logistics Data Record: A FILDR (DD Form 146) consists of an FII as defined in 4.6 plus supplementary technical and supply management data.

4.9 Federal Supply Classification (FSC): The FSC has been designed to facilitate the functions of supply management and to permit the classification of all items of supply used by agencies of the Federal Government. It provides, by specific definition, uniform commodity groups and classes for all items. The first 2-digits of the code number identify the group, and the last two digits of the code number identify the class within the group. The FSC Manual and Handbooks are listed in the Cl. (See paragraph 3.2.)

4.10 Federal Supply Code for Manufacturers (FSCM): A 5-digit nonsignificant numeric code assigned to United States of America and Canadian manufacturers in order to facilitate the processing of catalog data. Manufacturers located in North Atlantic Treaty Organization Nations and other friendly nations are assigned 5-character alphameric codes. Codes are assigned by the central cataloging offices of the respective countries. The FSCM Handbooks are listed in the Cl. (See paragraph 3.2.)

4.11 Full Descriptive Method (FDM): The descriptive method of item identification establishes and delimits the concept of an item of supply by the delineation of the essential characteristics of the item which give the item its unique character and serves to differentiate it from every other item of supply. The full descriptive method consists of those requirements which require a reply for items which are designated by the approved Item Name applicability key under a FIIG. All major requirements must have a reply unless otherwise instructed within the requirements, or omission of the requirements is permitted by virtue of an asterisk applied to the applicability key. Used for type 1, 1A, and 1B Federal Item Identifications. (See paragraph 6.2.)

4.12 Item Identification (II): Minimum data essential to establish those characteristics which give an item its unique character to differentiate it from every other item of supply within the Federal Catalog System and required related management data.

4.13 Item Logistics Data Worksheet: The worksheet used for formatting item logistics data in reply to FIIG requirements when preparing a proposed Item Identification. (See Appendix C.)

4.14 Item Name Code (INC): A 5-digit number assigned to each approved item name. Names other than approved item names are assigned Item Name Code 77777. (See Appendix A, page A-11.)

4.15 Item of Production: An item of production consists of those pieces or objects grouped within a manufacturer's identifying number and conforming to the same engineering drawing, specification, and inspection.

4.16 Item of Supply: An item of supply is any materiel, part, component, subassembly, set, equipment, equipment accessory or attachment or end item for the equipping, maintenance, operation or support of either military or civil activities and organizations. An item of supply may be (a) a single item of production, (b) two or more items of production that are functionally interchangeable, or that may be substituted for the same purpose, and that are comparable in terms of use, (c) more meticulous (a selection of closer tolerances), specific characteristics, finer (quality) than normal item of production, or (d) a modification (altered by the user or by request of the user) of a normal item of production.

4.17 Master Requirements Code (MRC): An MRC is a PAC that is contained in the MRD. It is labeled MRC when appearing in the MRD and PAC when appearing in a FIIG.

4.18 Master Requirements Directory (MRD): The MRD is a document containing the requirements, reply tables, Military Item Characteristics Coding Structure (MILSTICCS), MRCs, and mode codes contained in published FIIGs.

4.19 Miscellaneous Items FIIG: The document used to acquire Item Logistics Data for an item not included in FIIGs covering specific commodity areas. (See Appendix D - FIIG A239).

4.20 National Item Identification Number (NIIN): The NIIN is a series of nine Arabic numerals written, typed or printed as follows: two digits (NCB code), hyphen, three digits, hyphen, four digits (00-123-4567), requiring eleven spaces. The NIIN differentiates, concisely and permanently, each individual supply item from all other items of supply. It is nonsignificant in character, which means that the NIIN will fix the identity of the individual item but will not determine its position or sequence in relation to other items.

4.21 National Stock Number (NSN): The NSN for an item of supply consists of the applicable 4-digit FSC class code number and the 9-digit NIIN. In logistics matters involving NATO Headquarters or the individual NATO countries, NSN is interpreted to mean NATO Stock Number.

4.22 NATO Stock Number (NSN): A number assigned by a NATO Country under standardization agreements, STANAG 3150 and STANAG 3151, to each item of supply. It consists of the four-digit Federal Supply Classification Class Code, the two-digit NCB Code and a seven-digit nonsignificant number assigned by each NATO Country. The same seven-digit number may be assigned by more than one NATO Country. The NCB Code makes the NATO Stock Number unique.

4.23 Partial Descriptive Method (PDM): Used for Types 4, 4A and 4B FILDRs where data is not available to answer all requirements of the FIIG to identify the item(s) as types 1, 1A or 1B. (See paragraph 6.2.)

4.24 Primary Address Code (PAC): A 4-digit code assigned to a requirement. It may be alphabetic or numeric as specified in the FIIG. (Synonymous with Master Requirements Code. See paragraph 4.17.)

4.25 Reference Number, Logistics: A number, other than an activity stock number, used to identify an item of production either by itself or in conjunction with other reference numbers to identify an item of supply. Reference numbers include manufacturer's part, drawing, model, type, source control drawing numbers, specification control drawing numbers, the manufacturers' trade name (when the manufacturer identifies the item by trade name only), NATO Stock Numbers, NATO reference numbers, specification or standard numbers, and specification or standard part, drawing or type numbers.

4.26 Source Control Drawing: A source control drawing depicts an existing commercial or vendor item which exclusively provides the performance, installation and interchangeable characteristics required for one or more specific critical applications. Quality conformance inspection and approval procedures shall be stated on the drawing or in a document referenced on the drawing. To qualify as a source control drawing, the drawing must conform to the requirement as published in DoD-STD-100C.

4.27 Specification Control Drawing: A specification control drawing depicts an existing commercial item or vendor developed item advertised or cataloged as available on an unrestricted basis on order as an "off-the-shelf" item or an item which, while not commercially available, is procurable on order from a specialized segment of industry. Suggested sources of supply shall be listed on the drawing, i.e., name, address, code identification, and item identification. To qualify as a specification control drawing, the drawing must conform to the requirement as published in DoD-STD-100C.

SECTION 5

SELECTION AND USE OF CATALOGING TOOLS

5.1 Introduction: Cataloging tools consist basically of the Federal Item Name Directory, Section, A, Cataloging Handbook H6 and the applicable FIIGs. (See Appendix A and B.)

5.2 Selection of Item Names and Item Name Codes: Personnel preparing IIs should first determine the name or names most commonly applied to the item. Refer to those names in Section A of Cataloging Handbook H6 to find the approved Federal item name and related 5-digit Item Name Code assigned to the item name. (Approved Item Names are shown in Roman upper case letters and colloquial names referenced to the approved item names are shown in lower case letters.) Section A includes a delimitation of each item name, if required, which serves to distinguish between concepts of names which otherwise might be considered synonymous. These delimitations, by definition, inclusion, and/or exclusion, are to be considered as supply cataloging delimitations and not necessarily as explanations of operating theory or construction in a strict engineering sense. In making a selection, the definition following the name should be thoroughly understood and should be compared with other names and definitions which establish different, but closely related, concepts. The definition may consist of exclusions and/or inclusions of other item names or groups of names. Modifiers to basic nouns should also be closely reviewed and compared with other modifiers of the same basic noun or noun phrase. If an applicable Item Name has been published, that name shall be used in the Item Identification. (See Appendix A, page A-8, for a sample page of Section A, Cataloging Handbook H6.)

5.2.1 Basic Name Concepts: When an approved item name in Cataloging Handbook H6 (or applicable FIIG) contains a numeric designation in parentheses following the basic name, the preparer must also refer to the basic name delimitation in order to understand the intended concept of the approved item name. In those cases where the basic name has more than one meaning each should be investigated so that an item name applicable to the item to be identified may be selected.

5.2.2 No Published Item Name: If an approved item name has not been published in Cataloging Handbook H6, or if the delimitation of the item name does not completely encompass the item being described, the item shall be described using the MISCELLANEOUS ITEMS FIIG (FIIG A239) and Item Name Code "77777" (see Appendix D) and the name by which the contractor identifies the item unless otherwise specified by the contracting or procuring agency. (Any deviation from the above must be authorized by the contracting or procuring agency.)

5.2.3 Selection of Names by Procuring Activity: As an option, the procuring activity may select the item names and FIIGs to be used by the contractor.

5.2.4 Item Name Referenced to FIIG A239: When the approved item name is referenced to FIIG A239 in Cataloging Handbook H6, the item of supply shall be described using the approved item name and the MISCELLANEOUS ITEMS FIIG (FIIG A239) shown in Appendix D. (Any deviation from the above must be authorized by the contracting or procuring agency.)

5.3 Selection of Federal Item Identification Guides: If an item name has been selected from Cataloging Handbook H6, the II writer shall use the FIIG specified for that name. (Sample pages of a FIIG and related Item Logistics Data Worksheet are shown in Appendix B and C.) See Appendix B, Pg. B-5, Par. 1 and 2.

SECTION 6

PREPARATION OF A PROPOSED ITEM LOGISTICS DATA RECORD (ILDR) USING A FIIG (OTHER THAN MISCELLANEOUS ITEMS FIIG (FIIG A239))

6.1 Federal Item Identification Guides: Proposed ILDRs shall always be prepared in accordance with a FIIG.

6.1.1 Worksheets: Unless otherwise specified in the contract, each proposed II under the FIIG concept shall be prepared on an Item Logistics Data Worksheet (see Appendix C, page C-2) and, if required, a Continuation Sheet (see Appendix C, page C-3). Contractors may reproduce the worksheets, as required, during the term of the contract.

6.1.2 Preparation of the Item Logistics Data Worksheet: The contractor preparing the Item Logistics Data Worksheet, unless otherwise specified by the government contracting office, shall:

a. Enter the FIIG Number and Item Name Code on the Item Logistics Data Worksheet.

b. Reply to all requirements as indicated by the applicability Key Index of the FIIG. (See Appendix B, page B-17.)

c. Reply to each requirement in the terms required by the FIIG. (Reply to Primary Address Code (PAC) and Reply Field.) If further guidance is required, refer to the Federal Catalog System Policy Manual (DoD 4130.2-M) and the Defense Integrated Data System (DIDS) Procedures Manual (DoD 4100.39-M).

d. Enter "Clear Text" reply when specified by the contracting office.

e. Enter a data element terminator code (#) after the last reply in the reply field. (See Appendix C.)

f. Enter all known Item Identifying Logistics Reference Numbers (see Pg. 6, Par. 4.25) as specified by the manufacturer. Begin two lines below last reply as shown in sample (see App. C, Pg. C-3).

(1) The reference number and the name and address of the manufacturer or the Federal Supply Code for Manufacturer (see Cataloging Handbook H4-1) shall be listed for each reference number.

(2) If the reference number is for a source control or a specification control drawing, it shall be specifically identified as such.

6.2 Types of Item Identifications: The contractor will furnish a Type 1, 1A, or 1B II when requested by the government procuring activity, or may, upon specific instruction, furnish a Type 4, 4A, or 4B II in accordance with the applicable FIIG, or in accordance with the MISCELLANEOUS ITEMS FIIG (FIIG A239) when specifically directed to do so by the procuring activity.

6.2.1 Type 1 (Full Descriptive) Item Identification: Item of supply is or is not limited to a single specific item of production and the identity of the manufacturer and his part number are not required as an integral part of the II. Type 1 IIs require the use of approved item names and specific FIIGs which stipulate the kind and sequence of logistics data required for the item. In some instances, reference drawings are also required. For example, a bolt is usually completely describable by words and numerals and may be manufactured by several companies. In this case, the manufacturer's name and number are not essential to the II. All requirements of the applicable FIIG shall be answered for the item name selected.

6.2.2 Type 1A (Full Descriptive-Reference) Item Identification: Item of supply is limited to a single specific item of production and the manufacturer and his part number are necessary elements of the II. In this case, usually a specified item made by a single manufacturer is the only item which will serve the needs of the supply systems. Type 1A IIs also require the use of approved item names and specific FIIGs which stipulate the kind and sequence of logistics data required for the item and, in some instances, reference drawings. A complete end item is describable under this type of II even though it is interchangeable with others but must be separately identified for maintenance purposes because each has different internal components. If spare parts support is maintained for these units, and the internal parts are not completely interchangeable, the II for each unit must, therefore, contain the manufacturer's data and each unit is assigned a different NSN. This Type of II is also used to describe items where a specific application, or performance requirement, dictates the use of a single manufacturer's item of production. All requirements of the applicable FIIG shall be answered for the item name selected.

6.2.3 Type 1B (Full Descriptive-Reference-Descriptive) Item Identification: Item of supply is limited to a single specific item of production and the manufacturer and his part number are necessary elements of the II. In this case, however, the manufacturer's part number is not single-item-identifying and requires additional data along with his number in order to describe the item. This type of II also requires the use of approved item names and specific FIIGs which stipulate the kind and sequence of logistics data required for the item and, in some instances, reference drawings. An example of this type would be a chain hoist but, in addition to his number, the procuring activity must indicate a specific horsepower and voltage rating of the hoist described. This type of II is also used where an item is more specific than the normal production run of the manufacturer, or an item has been modified by the manufacturer to suit a particular need, and additional logistics data must be supplied in addition to his part number for his normal item of production. All requirements of the applicable FIIG shall be answered for the item name selected, including a reply to PAC ZZZY (see Appendix B, page B-28).

6.2.4 Type 4 (Partial Descriptive) Item Identification: Item of supply concept is the same as a Type 1 Item Identification but the descriptive characteristic data available to describe the item are less than that required for a full description. (Type 4 IIs will be prepared by a government supplier only when utilizing the MISCELLANEOUS ITEMS FIIG (FIIG A239) or when specifically instructed by the contracting agency.)

6.2.5 Type 4A (Partial Descriptive-Reference) Item Identification: Item of supply concept is the same as a Type 1A Item Identification but the descriptive characteristic data available are less than that required for a full description. (Type 4A IIs will be prepared by a government supplier only when utilizing the MISCELLANEOUS ITEMS FIIG (FIIG A239) or when specifically instructed by the contracting agency.)

6.2.6 Type 4B (Partial Descriptive-Reference-Descriptive) Item Identification: Item of supply concept is the same as a Type 1B Item Identification but the descriptive characteristic data available are less than that required for a full description. (Type 4B IIs will be prepared by a government supplier only when utilizing the MISCELLANEOUS ITEMS FIIG (FIIG A239) or when specifically instructed by the contracting agency.)

SECTION 7

PREPARATION OF A PROPOSED ITEM LOGISTICS DATA RECORD (ILDR) USING MISCELLANEOUS ITEMS FIIG (FIIG A239)

7.1 Introduction: The MISCELLANEOUS ITEMS FIIG (see Appendix D) shall be used to prepare Type 4, 4A, and 4B Item Identifications when any of the following conditions exist:

a. When specifically directed by the procuring activity.

b. When the item to be identified is not covered by an approved item name.

c. When the approved item name is referenced to MISCELLANEOUS ITEMS FIIG (FIIG A239).

d. When required by other conditions specified in the contract.

7.1.1 Forms: Unless otherwise specified in the contract, each proposed II under the FIIG concept shall be prepared on an Item Logistics Data Worksheet and, if required, Continuation Sheet, as shown in Appendix C. Contractors may reproduce the forms, as required, during the term of the contract.

7.1.2 Preparation of the Item Logistics Data Worksheet: The contractor preparing the Item Logistics Data Worksheet (see Appendix C, pages C-3 and C-4) unless otherwise specified by the government contracting office, shall:

a. Enter the FIIG Number (A239ØØ) on the Item Logistics Data Worksheet.

b. Reply to PAC "NAME" and PAC "TEXT" and applicable Section I and Section III PACs.

c. Enter all known item identifying logistics reference numbers (see 4.25) beginning two lines below the last reply. The reference number must be structured exactly as specified by the manufacturers.

(1) The name and address of the manufacturer or the Federal Supply Code for Manufacturer (see Cataloging Handbook H4-1) shall be listed for each reference number.

(2) If the reference number is for a source control or a specification control drawing, it shall be specifically identified as such.

Preparing Activity:

Defense Logistics Services Center
ATTN: DLSC-CP
Federal Center
Battle Creek, MI 49016

APPENDIX A

Sample Pages of Cataloging Handbook H6,
Section A and Section B, Subsections 1 and 2

NOTE: The sample pages in Section A and Section B are for information and guidance only. (The H6 sections are published on microfiche.) Reference to the latest revision of the applicable publication will be necessary to insure currency of the related data.

DEPARTMENT OF DEFENSE

DEFENSE LOGISTICS AGENCY

DEFENSE LOGISTICS SERVICES CENTER
BATTLE CREEK, MICHIGAN 49016

H6-A, B&C
SB 708-6
GSA-FSS H6

FEDERAL ITEM NAME DIRECTORY FOR SUPPLY CATALOGING

JANUARY 1980

SUPERSEDES 1979 EDITION
SET INCLUDES FICHE

SEE REVERSE SIDE

H6-A
Federal Item Name Directory

Introduction

This section of the Federal Item Name Directory (FIND) for the Federal Catalog System contains all Basic Names, Colloquial Entries, and Approved Item Names (AINs) with their associated Federal Supply Classes (FSCs), Condition Codes, Federal Item Identification Guides (FIIGs) and Item Name Codes (INCs).

Section B, Subsection 1 of the FIND contains all AINs sequenced numerically by INC, cross-referenced to the related FIIG, FSC and Condition Code.

Section B, Subsection 2 of the FIND contains an alpha-numerically sequenced listing of all FIIGs cross-referenced to their related INCs.

The microfiche title line contains a publication identifier, title, extraction date, starting alpha name, publication date and microfiche number.

Basic Names, Colloquial Entries and Approved Item Names

Basic Names consist of a basic noun word or a basic noun phrase, which is defined or otherwise delimited, and each concept of the Basic Name is numbered. In AINs developed from the Basic Name, the concept number appears in parentheses immediately following the Basic Name when used (e.g., CAP (2), KNIT).

When a concept number appears in parentheses in an AIN, refer to the indicated Basic Name in order to understand the basic concept which is inherent in the total concept of the AIN. The delimitation of the concept represented by a name is accomplished by definition, inclusion, and/or exclusion. Frequently, the delimitations are terminated with notes and cross-references pertinent to the Basic Name and AIN. Consideration of the referenced names in the delimitations will serve to distinguish between the concepts of names which otherwise might be considered synonymous.

Colloquial Entries consist of colloquial names (common usage or generic names cross-referenced to an AIN) and index entries (common usage or generic names cross-referenced to an FSC).

AINs are assigned a five-digit numeric INC and are referenced to a FIIG. In some instances, modifiers have been added to the AIN to delimit it sufficiently to make classification by a specific FSC possible. The notation "All Except USA" reflected against an AIN indicates that the name has been assigned to a country other than the United States (U.S.) and cannot be used by any U.S. Activity when cataloging an item.

In order to distinguish between AINs, Basic Names and Colloquial Entries, a different typographic treatment had been used for each. Basic Names are identified by the first character of the name appearing in upper case (e.g., Cap). Colloquial Entries are in lower case only and will either reference an AIN (colloquial name) or an FSC (index entry) (e.g., cap, bearing --- see CAP, PILLOW BLOCK; or block pillow --- 1234). AINs are in upper case only (e.g., CAP, PILLOW BLOCK). See graphic display of contents below.

The names are listed in straight alphabetic sequence without regard to blank spaces or commas. Hyphenated noun phrases will be grouped in alphabetic order following single nouns (e.g., AMPLIFIER (1), ACCELEROMETER SIGNAL through AMPLIFIER, VIDEO will be followed by the hyphenated noun phrases AMPLIFIER-COMPUTER through AMPLIFIER-RELAY GROUP).

Comprehensive coverage has been attained by including names of supply not currently listed in the DIRECTORY, names of commodities not carried as items of supply in the Federal Government, and titles or portions of titles of the FSC classes. Trade names have been excluded from the directory, except for a few which, through widespread use, have become common names.

During the preparation of the directory, it was determined that inversion of certain entries (reverse terminologies) (RTs) would be helpful to the user. Therefore, some entries are listed under more than one key word (e.g., AIN - CONTRACTOR, MAGNETIC; RT - magnetic contractor).

Federal Supply Classifications (FSCs)

The FSC structure and its index have been developed and adopted by the Office of the Secretary of Defense for use in classifying items of supply identified under the Federal Catalog System.

The FSC is a commodity classification designed to serve the functions of supply and is sufficiently comprehensive in scope to permit the classification of all items of personal property.

The FSC utilizes a four-digit coding structure. The first two digits of the code number identify the group, and the last two digits identify the classes within each group.

The primary application of the FSC number is in the National Stock Number (NSN). The NSN for an item of supply consists of the applicable four-digit FSC number plus the nine-digit National Item Identification Number (NIIN).

Federal Supply Classification is covered in more detail in Cataloging Handbook H2-1, Groups and Classes, and Cataloging Handbook H2-2, Numeric Index of FSCs.

Condition Codes

Note that following all of the AINs, in the column titled COND CODE, is a single-digit number. This digit, referred to as a "Condition Code," is assigned to the AINs only, and indicates that:

Condition Code 1 - The AIN to which the entry is referenced may be classified in only one specific class of the FSC structure.

Condition Code 2 - The AIN to which the entry is referenced may be classified in two or more specific classes of the FSC structure.

Condition Code 3 - The AIN to which the entry is referenced may be classified in any logical class of the FSC structure by virtue of "multiapplication" or "special design."

Federal Item Identification Guides (FIIGs)

The applicable FIIG is indicated for each AIN. The FIIG contains the necessary information for completing the item identification description.

Updating Procedures

This publication will be reproduced annually and cumulative updates will be maintained through the H2/H6 Advance Notification published bi-weekly.

Graphic Display of Contents

NAME AND DEFINITION NAME MODIFIER(S)	FIIG	INC	COND CODE	FSC
Basic Name: Cap				
Basic Name Concept Number: 1. (Mechanical) A protecting and/or closing part, basically circular, designed with an integral means of securing itself and must partially inclose some protruding, external portion of the item to which it is attached. Excludes Cover (1).				
2. (Clothing) A head covering without a brim, with or without a visor.				
Colloquial Entry: cap bearing see CAP, PILLOW BLOCK				
cap, detonating				1375
Basic Name Concept				
Approved Item Name: CAP (2), DISPOSABLE: A cap designed to be discarded after use with only negligible loss.	A217A	29679	1	8415
Item Name Code				
FIIG				
CAP (2), SERVICE: A cap worn by military personnel. It has a round crown which is usually stiffened with a crown support. It usually has a visor.	A217A	Ø4770		
Approved Item Name Modifiers: man's			2	84Ø5
woman's			2	841Ø
Condition Code				
Federal Supply Class				

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Defense Logistics Services Center
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Federal Center
Battle Creek, MI 49016
Commercial - (616)962-6511 x6401
AUTOVON - 8-369-6401

J08 NAME and DEFINITION NAME MODIFIER(S)	FIIG	INC	COND CODE	FSC
AMPLIFIER ASSEMBLY: Two or more independent amplifiers having a common mounting or mounted on each other.	T213	Ø11Ø5		
combat information central			3	5895
countermeasures			3	5865
electronic identification			3	5895
except specially designed			3	6625
intercommunication and public address system, airborne			3	5831
intercommunication and public address system, nonairborne			3	583Ø
light communication type			3	585Ø
multiapplication			3	5895
night vision equipment			3	5855
radar, airborne, except fire control and guided missile			3	5841
radar, nonairborne, except fire control and guided missile			3	584Ø
radio, except navigation, airborne			3	5821
radio, except navigation, nonairborne			3	582Ø
radio navigation airborne			3	5826
radio navigation nonairborne			3	5825
sound recording and reproducing			3	5835
telephone and telegraph			3	58Ø5
teletype and facsimile			3	5815
television, airborne			3	5821
television, nonairborne			3	582Ø
underwater sound			3	5845
BARREL (1), CARBINE:	T1Ø2	21718	1	1ØØ5
barrel, cordite				814Ø
barrel, core drilling see CORE DRILLING BARREL ASSEMBLY				
BARREL (1), GUN:	T1Ø2	2172Ø		
through 30mm			2	1ØØ5
over 30mm up to 75mm			2	1Ø1Ø

NAME and DEFINITION NAME MODIFIER(S)	FIIG	INC	COND CODE	FSC
BARREL, HYPODERMIC SYRINGE: A hollow cylinder closed at one end except for an effluent bore, and open at the other end. Designed to accept an interchangeable PLUNGER, HYPODERMIC SYRINGE of the same size to form a SYRINGE, HYPODERMIC.	T133	33177	1	6515
BARREL, METAL: A uniformly bulging, cylindrically shaped container having two flat ends or heads, one of which may be removable. Its length is greater than its breadth. It is designed for shipping and storage of liquids or semiliquids. Excludes DRUM, SHIPPING AND STORAGE.	A239	Ø4629	1	811Ø
barrel nut see NUT, PLAIN, BARREL; NUT, SELF-LOCKING, BARREL				
BARREL (1), RIFLE:	T102	21723		
through 30mm			2	1ØØ5
over 30mm up to 75mm			2	1Ø1Ø
Base: 1. (Electrical-Mechanical) A structural foundation upon which an item is to be mounted and supported. The base is an integral part of the item for which it is a foundation, and may be designed for the purpose of damping shock and/or vibration.				
base, antenna				5385
BASE (1), ANTENNA SUPPORT:	A12Ø	Ø2843		
multiapplication			3	5895

H6-B
Subsection 1
Federal Item Name Directory

This section of the Federal Item Name Directory (FIND) for the Federal Catalog System contains all Approved Item Names (AINs) sequenced numerically by Item Name Code (INC), cross-referenced to their Federal Item Identification Guide (FIIG), Federal Supply Class (FSC) and Condition Code.

Section A of the FIND contains all Basic Names, Colloquial Entries and AINs with their associated FSCs, Condition Codes, FIIGs and INCs sequenced by name.

Section B, Subsection 2 of the FIND contains an alpha-numerically sequenced listing of all FIIGs cross-referenced to their related INCs.

The microfiche title line contains publication identifier, title, extraction date, publication date, beginning INC and microfiche number.

Federal Supply Classification (FSC)

The FSC structure and its index have been developed and adopted by the Office of the Secretary of Defense for use in classifying items of supply identified under the Federal Catalog System.

The FSC is a commodity classification designed to serve the functions of supply and is sufficiently comprehensive in scope to permit the classification of all items of personal property.

The FSC utilizes a four-digit coding structure. The first two digits of the code number identify the group, and the last two digits identify the classes within the group.

The primary application of the FSC number is in the National Stock Number (NSN). The NSN for an item of supply consists of the applicable four-digit FSC number plus the nine-digit National Item Identification Number (NIIN).

Federal Supply Classification is covered in more detail in Cataloging Handbook H2-1, Groups and Classes, and Cataloging Handbook H2-2, Numeric Index of FSCs.

Condition Codes

Note that following all of the Approved Item Names, in the column titled COND CODE, is a single-digit number. This digit, referred to as a "Condition Code," is assigned to the AIN only and indicates that:

Condition Code 1 - The AIN to which the entry is referenced may be classified in only one specific class of the FSC structure.

Condition Code 2 - The AIN to which the entry is referenced may be classified in two or more specific classes of the FSC structure.

Condition Code 3 - The AIN to which the entry is referenced may be classified in any logical class of the FSC structure by virtue of "multiapplication" or "special design."

The applicable FIIG is indicated for each AIN. The FIIG contains the necessary information for completing the item identification description.

Updating Procedures

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INC	ITEM NAME	FIIG	COND CODE	FSC
21973	GEAR SET, WORM AND WORM WHEEL MATCHED:	A238	1	3020
21974	TAILGATE, VEHICULAR BODY:	A239	1	2510
21975	SHELF, BOOKCASE:	A239	2	7105
			2	7110
21977	DRIVER, BONE PIN:	T133	1	6515
21978	EXTRACTOR, BONE PIN:	T133	1	6515
21979	PLIERS, BONE PIN EXTRACTING:	T133	1	6515
21980	REAMER, MEDULLARY CANAL:	T133	1	6515
21986	CALIBRATOR, AUDIO LEVEL:	A239	3	6625
21987	PROTECTOR, BOMB PARACHUTE:	A239	2	4925
			2	1105
21988	CONNECTING LINK, RIGID:	T219	1	3040
22002	PAD, CUSHIONING:	T141	3	8140
			3	8320
			3	2590
22003	CONTROL BOX, ELECTRICAL, VEHICULAR HEATER:	A239	1	2590
22004	NOZZLE, SAND BLAST:	A239	1	4730
22017	CYLINDER (1), ACTUATING, LINEAR:	A342	3	1650
			3	1420
			3	3040
			3	1340
22034	HELMET, CRASH:	A217A	1	8415
22035	MOUNT, TELESCOPE:	T271	2	6650
			2	1240

Subsection 2
Federal Item Name Directory

The Federal Item Name Directory (FIND) for the Federal Catalog System is divided into three (3) sections (H6-A, H6-B, H6-C).

Section B is divided into two (2) subsections.

Subsection 1 contains all approved Item Names (AINs) sequenced numerically by Item Name Code (INC), cross-referenced to the related Federal Item Identification Guide (FIIG), Federal Supply Classification (FSC) and Condition Code.

This subsection contains an alphanumerically sequenced listing of all FIIGs, cross-referenced to their related INCs.

Section A contains all Basic Names, Colloquial Entries, and AINs, with their associated FSCs, Condition Codes, FIIGs and INCs sequenced by name.

Section C contains terms and their abbreviations.

The microfiche title line contains a publication identifier, extraction date, publication date, starting FIIG number, and microfiche number.

APPENDIX B

Sample Pages of FIIG A007A

FIIG A007A

21 DECEMBER 1973

FEDERAL ITEM IDENTIFICATION GUIDE

INSULATORS
ELECTRICAL

DEFENSE LOGISTICS AGENCY
Defense Logistics Services Center
Battle Creek, Michigan 49016

Information Handling Services, DODSTD Issue DW0002

1. Purpose and Scope

This Federal Item Identification Guide (FIIG) is a self-contained document for the collection, coding, transmittal, and retrieval of item characteristics and related supply management data for an item of supply for logistical use. This FIIG is to be used to describe items of supply identified by the index of approved item names appearing in this section.

2. Contents

This FIIG is comprised of the following:

Index of Approved Item Names Covered by this FIIG

Applicability Key Index

Section I - Item Characteristics Data Requirements

Section II - Equivalency and Substitution Criteria

Section III - Supplementary Technical and Supply Management Data

Appendix A - Reply Tables

Appendix B - Reference Drawing Groups

Appendix C - Technical Data Tables

Appendix D - Functional and Operational Index

Appendix E - Characteristics Search Procedures

a. Index of Approved Item Names Covered by this FIIG:

The index lists the approved item names with definitions and item name codes as they appear in Cataloging Handbook H6, applicable to this FIIG. In addition, each name entry is assigned an applicability key for use in relating the characteristics requirements in Section I to the specific item name.

b. Applicability Key Index:

The purpose of this index is to provide the user with a ready reference for determining the specific requirements which are applicable to a given approved item name. This index lists all requirements in sequence as they appear in the FIIG. The applicability of a primary address coded requirement is indicated by the column headed by the specific item name applicability key as follows:

(1) The letter "X" indicates the requirement must be answered for a full descriptive item.

(2) The letters "AR" indicate the requirement is to be answered as required by (1) instructional notes within the FIIG; (2) when the reply is predicated on replies to a related main requirement; or (3) when an asterisk is used in conjunction with the applicability key column in Section I.

(3) A blank in the column indicates the requirement is not applicable to the specific item name.

c. Section I - Item Characteristics Data Requirements:

This section contains the physical and performance characteristics requirements needed to describe and identify an item of supply. These characteristics differentiate one item from all other items of supply and are to be used to meet the needs of all supported functions. This section is arranged in columns. Identification of each column and instructions pertinent thereto are as follows:

(1) Applicability Key: The first column shows the applicability key(s) for each requirement. It indicates whether the requirement need be satisfied for the item being identified. "ALL" indicates that the requirement must be answered for all items covered by the FIIG. One or more alphabetic character(s) or group of one or more alphabetic characters indicates a response is required when describing items with an approved item name or names represented by the key(s). An asterisk used in conjunction with any applicability key indicates that the characteristic stated in the requirement may not be applicable to all items covered by the FIIG and replies to the requirements will be governed as follows:

(a) If the requirement calls for a characteristic that is not an inherent characteristic of the item being described, a reply will not be given for the requirement.

(b) If the requirement calls for a rating that is not an inherent characteristic of the item being described, a reply will not be given for the requirement.

(c) If the requirement calls for a rating that is an inherent characteristic of the item being described, but a reply to the rating is not required due to item application, a NOT RATED reply will be given in accordance with requirement instructions.

(d) If the only appropriate reply to a requirement is NONE, a reply will not be given for the requirement.

(2) Primary Address Code (PAC): A four-position code which is assigned to a FIIG requirement for identification of the requirement, cross-referencing requirements in the various sections and appendices of the FIIG, and for mechanized processing and retrieval of FIIG generated data. Absence of a PAC for a requirement indicates a lead-in to requirements with individual PACs in Appendix B.

(a) The coding technique for providing MULTIPLE/OPTIONAL responses will not be used for a Section I requirement assigned Mode Code A or L that leads to Appendix B sketches with dimensional requirements.

(b) Secondary Address Coding: This technique is for extending the primary address code so that a unique address is provided for each application of the requirement in relation to the item and is authorized only as instructed within the requirement. Responses coded through this technique will always consist of the following (1) primary address code, (2) indicator code (a single numeric character determined by the number of positions contained), (3) secondary address code (1 to 9 digit alphabetic codes determined by the number of predicted replies), (4) the mode code, (5) the reply code and/or clear text response, and (6) end with a record separator (*). Steps (1) through (6) are repeated for each application of the requirement.

*NOTE: An "at" sign @ indicates data group effected by a change.

(c) AND/OR coding: A technique for extending the primary address code to provide a distinctive address for multiple responses to the same requirement. Responses coded through this technique will always consist of (1) primary address code, (2) mode code, (3) the response or reply code (as instructed by the requirement), (4) a single dollar sign ($) for an OR condition, or a double dollar sign ($$) for an AND condition, (5) the mode code, (6) the response or reply code (followed by conditions (4) through (6) for each of the multiple responses) and (7) end with a record separator (*). NOTE: Apply this technique only when instructed by the requirement sample reply (e.g.).

(3) Mode Code: A one-position alphabetic code that specifies the manner in which a response will be prepared. Each requirement assigned a PAC is also assigned a mode code. Sample replies follow each FIIG requirement displaying the proper construction of a response for the assigned mode code. The response to a requirement will always be prepared in accordance with the assigned mode code and sample reply except in the following instances:

(a) Mode Code E may be used with any requirement, except requirement NAME or a requirement with Mode Code A, G, or L where the replies (or portion thereof in the case of chained requirements) applicable to the requirement are restricted by an authorized table of replies or other restrictions, and an appropriate reply has not been provided. E Mode Code replies are governed by the following:

-1- The E Mode Code reply must be in context with the requirement statement.

-2- The E Mode Code reply must be given totally in clear text.

-3- The E Mode Code reply must be structured in the same manner as the replies authorized for use with the requirement.

-4- The E Mode Code reply is not valid for any requirement wherein an Appendix B style number is the appropriate reply.

-5- The E Mode Code reply must be entered last when used in conjunction with AND/OR coding.

(b) Mode Code K may be substituted for any mode code, except Mode Codes D, G, or L. Reply Code A may be used with Mode Code K for any requirement when the appropriate reply is "Any Acceptable", unless otherwise instructed within the requirement. Reply Code N may be used with Mode Code K only when authorized by the requirement instructions. When Mode Code K is used in lieu of the assigned Mode Code, the PAC, Mode Code K and the appropriate standard reply code authorized for use with this mode code will be given. The following standard replies and codes are authorized for use with Mode Code K:

REPLY CODE	REPLY
A	ANY ACCEPTABLE
N	NOT RATED

(4) Requirement: This portion includes the characteristics data elements and data use identifiers required to identify and differentiate one item of supply from another, narrative definitions, and explanations as to use and method of expression. Instructions for coding and preparing replies are also provided.

(5) Reply Code: A code that represents an established authorized reply to a requirement.

d. Section II - Equivalency and Substitution Criteria:

This section includes general parameters, data range values, and preferred characteristics data. These data may be used for determining equivalency and substitutability relationships based on technical, functional and/or physical characteristics.

e. Section III - Supplementary Technical and Supply Management Data:

This section includes those characteristics requirements necessary to support specific logistics functions other than National Stock Number assignment.

f. Appendix A - Reply Tables:

Tables of authorized replies to requirements and reply codes when the tables are too lengthy for inclusion in Section I/III, when applicable.

g. Appendix B - Reference Drawings:

This appendix contains representative illustrations which portray specific variations of one or more generic characteristics. If reference drawings contain legend pages to be used in conjunction with illustrations for dimensioning purposes, the legend pages will contain legend/primary address codes, mode codes, and a statement of the requirement. A response to requirements on a legend page is necessary only for those legend/primary address codes applicable to the illustration selected.

h. Appendix C - Technical Data Tables:

This appendix contains conversion charts and similar data pertinent to the requirements in Section I/III, when applicable.

i. Appendix D - Functional and Operational Index:

A listing of the FIIG primary address codes referenced to applicable logistics functions showing the FIIG data needed by any given logistics function to manage or accomplish its mission.

j. Appendix E - Characteristics Search Procedures:

This appendix contains the instructions and guidance relative to the characteristics search process. This includes both the Key and Non-Key PAC designations, the applicable search conversion formulas, search AND/OR coding ($$/$) authorization, and any other special search instructions.

3. Enter administrative PAC 9001, immediately following the last FIIG requirement reply, as instructed below:

PAC	Mode Code	Requirement	Example
9001	A	NONDUPLICATION OF NSN (indicates that, though characteristics seem similar, research revealed difference(s) requiring assignment of different NSN)	9001A5905-00-123-4567*; 9001A5905-00-123-4567$$ A5905-00-345-6789*

4. Special Instructions

Measurements: Unless otherwise indicated within a requirement example, enter all measurements in decimal form, carried to the nearest three decimal places, with a minimum of one digit preceding the decimal. For SI (metric), enter all measurements with a minimum of one digit before and after the decimal. For fraction to decimal conversion, see Appendix C, Table 1.

Recording instructions for requirements using nominal or minimum and maximum:

If a nominal value is given, minimum and maximum values cannot be utilized within the same requirement reply.

If a value is given for minimum, a reply for maximum is mandatory unless otherwise specified in the source data. Likewise, if a value is given for maximum, a reply for minimum is mandatory unless otherwise specified in the source data. Enter the minimum value first followed by the maximum value, if applicable.

5. Index of Data Requirements

This index is arranged in alphabetic sequence by data requirement, cross-referenced to the applicable primary address code and page number(s).

Section I Requirements	Primary Address Code	Page No.
BASE DIAMETER	AGEU	B-40,54,80
BASE HEIGHT	AJCZ	B-80
BASE INSIDE DIAMETER	BGJZ	B-5,80
BOWL DEPTH	BTPG	B-80
BOWL DIAMETER	AJQM	B-5,16,40
BUSHING DIAMETER	ABKH	B-40
CENTER HOLE LENGTH	ADUW	B-5,16 56,80
CENTER HOLE WIDTH	ADUX	B-5,16 56,80
CENTER STUD HOLE DEPTH	CQFZ	B-6
CENTER STUD HOLE DIAMETER	CRJK	B-6,40
CENTER STUD LENGTH	CQSF	B-6,40
CENTER TO CENTER DISTANCE BETWEEN DOME HOLES	CRFB	B-6,54
CHAMFER ANGLE IN DEG	AATE	B-5,15,56, 112
CHAMFER DEPTH	AGHG	B-5,16,56
CONDUCTOR MECHANICAL ACCOMMODATION QUANTITY	CRBM	1-6
CONDUCTOR SEPARATION DISTANCE	CRLT	B-32,51,78, 81,97
CORNER CUT LENGTH	CRKC	B-57,81
CORNER CUT WIDTH	CSBN	B-57,81
COUNTERSINK ANGLE IN DEG	AATA	B-15,56,80
COUNTERSINK MAJOR DIAMETER	ABQR	B-16,56,80
CRITICALITY CODE JUSTIFICATION	CRTL	1-10
DEPARTURE FROM CITED DESIGNATOR	ZZZX	1-9
DEPARTURE FROM CITED DOCUMENT	ZZZW	1-9
DIELECTRIC MATERIAL VOLTAGE RATING PER MIL THICKNESS IN VOLTS	ACGY	1-3
DISTANCE BETWEEN CONDUCTOR GROOVE AND MOUNTING HOLE	CRQT	B-32,49
DISTANCE BETWEEN LEGS	AHHG	B-56,110

Section I Requirements	Primary Address Code	Page No.
DISTANCE FROM CENTERLINE OF HOLE TO STUD END	CQCG	B-40
DISTANCE FROM CENTERLINE TO FLAT	AASY	B-15,34
DISTANCE FROM DOME HOLE CENTER TO DESIGNATED POINT	CQPP	B-6
DISTANCE FROM FLANGE TO WIRE GROOVE EDGE	CQKD	B-16
DISTANCE FROM INSIDE FLATTED PORTION TO OPPOSITE SURFACE	CRNH	B-17
DISTANCE FROM INSIDE OF MOUNTING HOLE TO OUTSIDE SURFACE	CRTW	B-110
DISTANCE FROM OUTSIDE FLATTED PORTION TO OPPOSITE SURFACE	CQZZ	B-17,34
	CRTH	B-57
EIGHTH HOLE SPACING	ACHF	1-7
ELECTRICAL TERMINATION QUANTITY	BSPB	1-1
END CONFIGURATION	ELCD	1-10
EXTRA LONG CHARACTERISTIC DESCRIPTION	ELRN	1-10
EXTRA LONG REFERENCE NUMBER	CRYN	B-57
FIFTH HOLE SPACING	CQBL	B-6
FIFTH MOUNTING HOLE SPACING	ACDK	B-34,56,80
FIRST ANGULAR SPACING IN DEG	CQFS	B-81,96
FIRST CAP HEIGHT	CQHX	B-57,81,96
FIRST CENTER DISTANCE	AJHV	B-16,56,96
FIRST CORNER RADIUS	CFNT	B-5,16,34, 40,57,80
FIRST COUNTERBORE DEPTH	BXCZ	B-5,16,34, 40,57,80
FIRST COUNTERBORE DIAMETER	CQGG	B-32,96
FIRST DISTANCE BETWEEN CONDUCTOR GROOVES	CRJC	B-32,97
FIRST DISTANCE FROM CONDUCTOR GROOVE TO INSULATOR END	CSBD	B-78,81,97
FIRST DISTANCE FROM CONDUCTOR HOLE TO INSULATOR END	CRWN	B-32,49
FIRST DISTANCE FROM CONDUCTOR SLOT TO OPPOSITE SURFACE	CQBH	B-3,16,57, 78,81,96
FIRST END RADIUS	ABRC	B-16,34, 56,80
FIRST HOLE DIAMETER	CQGL	B-57,96,112
FIRST HOLE LENGTH	CQSH	B-16,34,57, 81
FIRST HOLE SPACING	CSCT	B-57,96,112
FIRST HOLE WIDTH	CQJD	B-16
FIRST KEY DEPTH	CRBF	B-17,112
FIRST KEY THICKNESS	CQBS	B-16,112
FIRST KEY WIDTH	AHQN	B-56
FIRST LEG WIDTH	CQKY	B-6,16,32, 81,110
FIRST MOUNTING HOLE SPACING	CRFW	B-51
FIRST RADIAL GROOVE WIDTH	CRDH	B-6,16,17, 40
FIRST RELIEF SLOT DEPTH	CQBR	B-6,16,40
FIRST RELIEF SLOT LENGTH	CRLF	B-17,40
FIRST RELIEF SLOT WIDTH	CRWK	B-3,57
FIRST SIDE RADIUS	CRYZ	B-17,35,49, 57,81,97
FIRST SLOT DEPTH		

Section I Requirements	Primary Address Code	Page No.
FIRST SLOT WIDTH	CQDN	B-16,34,49, 57,81,96
FIRST STEP DIAMETER	ABPR	B-16,34
FIRST STEP HEIGHT	AJEK	B-16,34,56
FIRST STEP LENGTH	ABPS	B-56,80
FIRST TONGUE LENGTH	CRFC	B-96
FIRST TONGUE THICKNESS	CQCQ	B-96
FLANGE THICKNESS	ABKU	B-5,15,40, 80
FOURTH HOLE DIAMETER	AGMM	B-34,56
FOURTH HOLE SPACING	CQDL	B-34,57,81
FOURTH MOUNTING HOLE SPACING	CRGB	B-6,17,81
GASKET THICKNESS	CQLF	B-6,40,81
GROOVE ANGLE IN DEG	ABYZ	B-5
GROOVE DEPTH	ABGA	B-5
HEIGHT ABOVE MOUNTING SURFACE	AYGJ	B-5,40,80
IDENTIFICATION CODE COLOR	AAPC	1-2
INSERT FLANGE THICKNESS	CQCL	B-81
INSIDE DIAMETER	AARX	B-3,15,112
ITEM NAME	NAME	1-1
LEG LENGTH	AHSJ	B-56,80,110
MAJOR GROOVE DIAMETER	CQLJ	B-6
MATERIAL AND LOCATION	MTLC	1-2
MAXIMUM CONDUCTOR SIZE ACCOMMODATED	AAKV	1-6
MINOR GROOVE DIAMETER	CRNK	B-6
MOUNTING BOLT CIRCLE DIAMETER	AFFL	B-5,16,34, 40,54,80
MOUNTING CLAMP FLAT LENGTH	CRGL	B-6
MOUNTING CLAMP STEP HEIGHT	CRDS	B-6
MOUNTING CLAMP TONGUE LENGTH	CQHR	B-6
MOUNTING CLAMP WIDTH	CQBM	B-6
MOUNTING FACILITY TYPE AND QUANTITY	AXHR	1-3
MOUNTING HOLE DIAMETER	ABTB	B-5,16,32, 34,40,49, 54,80,96, 110
NINTH HOLE SPACING	CSDM	B-57
NONDEFINITIVE SPEC/STD DATA	ZZZT	1-9
NONTURN FEATURE HOLE DEPTH	CRXQ	B-81
OUTSIDE DIAMETER	ABKV	B-3,5,15, 34,40,49, 51,54,78, 80,96,110, 112
OVERALL HEIGHT	ABKW	B-3,5,15, 34,51,54, 56,78,80, 96,110,112
OVERALL LENGTH	ABHP	B-5,15,32, 56,78,80, 96
OVERALL WIDTH	ABMK	B-5,15,32, 56,78,80, 96
PIN DIAMETER	ABVV	B-110
PIN HOLE DEPTH	CQBT	B-51

Section I Requirements	Primary Address Code	Page No.
PIN HOLE DIAMETER	ACXU	B-51
PLATE ANGLE IN DEG	ACEV	B-56
RADIAL GROOVE DIAMETER	CSBB	B-51,97
RADIAL GROOVE RADIUS	ANTS	B-51,96
REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS	ZZZY	1Ø1Ø
SCREW THREAD DIAMETER AND LOCATION	CRFL	1-4
SCREW THREAD QUANTITY PER INCH AND LOCATION	CQTP	1-5
SCREW THREAD SERIES DESIGNATOR AND LOCATION	CQBP	1-3
SECOND ANGULAR SPACING IN DEG	ACDL	B-56
SECOND CAP HEIGHT	CRJL	B-81
SECOND CENTER DISTANCE	CRPR	B-57,81
SECOND CORNER RADIUS	AJHW	B-16,8Ø,96
SECOND COUNTERBORE DEPTH	CCFJ	B-16,34
SECOND COUNTERBORE DIAMETER	BZLN	B-16,34
SECOND DISTANCE BETWEEN CONDUCTOR GROOVES	CQLL	B-32,51
SECOND DISTANCE FROM CONDUCTOR SLOT TO OPPOSITE SURFACE	CQBX	B--2,49
SECOND END RADIUS	CQLM	B-3,57
SECOND HOLE DIAMETER	ABRD	B-16,34, 56,8Ø
SECOND HOLE LENGTH	CSBM	B-57
SECOND HOLE SPACING	CRKY	B-17,35,57, 81
SECOND HOLE WIDTH	CRRS	B-57
SECOND KEY DEPTH	CRGK	B-17
SECOND KEY THICKNESS	CQMT	B-16
SECOND KEY WIDTH	CRDM	B-17
SECOND LEG WIDTH	AHLF	B-56
SECOND MOUNTING HOLE SPACING	CRJN	B-6,17,81
SECOND RADIAL GROOVE WIDTH	CSCM	B-51
SECOND SIDE RADIUS	CQDH	B-57
SECOND SLOT DEPTH	CQBZ	B-57
SECOND SLOT WIDTH	CSDB	B-57
SECOND STEP DIAMETER	ABPT	B-16
SECOND STEP HEIGHT	CQWC	B-17,57
SECOND STEP LENGTH	ABPU	B-56,8Ø
SECOND WIRE HOLE DIAMETER	CSDJ	B-81
SEVENTH HOLE SPACING	CQBW	B-57
SEVENTH MOUNTING HOLE SPACING	CQDM	B-6
SHACKLE LENGTH	CRDK	B-96
SHACKLE THICKNESS	CRKD	B-97
SHACKLE WIDTH	CQBY	B-96
SHANK HEIGHT	AQZQ	B-16,4Ø
SHANK LENGTH	AATR	B-15,8Ø,96
SHANK OUTSIDE DIAMETER	AGGZ	B-16,4Ø, 8Ø,96
SHANK WIDTH	ACVR	B-16
SHIELD DIAMETER	CQHB	B-6
SHIELD HEIGHT	CRKQ	B-6
SHOULDER DEPTH	CRTT	B-6,35, 4Ø,57
SHOULDER FLAT ANGLE IN DEG	ABZP	B-5
SHOULDER LENGTH	AJWR	B-8Ø
SHOULDER NOTCH WIDTH	CRDT	B-6

Section I Requirements	Primary Address Code	Page No.
SHOULDER OUTSIDE DIAMETER	AGPX	B-5,16,34, 40
SIDE LENGTH	ALHL	B-3,49,57, 96
SIXTH HOLE SPACING	CSDD	B-57
SIXTH MOUNTING HOLE SPACING	CRXG	B-6
SKIRT LENGTH	CQDG	B-51
SPECIAL FEATURE	FEAT	1-7
SPECIAL MARKINGS	MARK	1-7
SPECIAL TEST FEATURES	SPCL	1-8
SPECIFICATION/STANDARD DATA	ZZZK	1-8
STYLE DESIGNATOR	STYL	1-1
SURFACE TREATMENT AND LOCATION	STLC	1-2
TAPERED HOLE DEPTH	CSBF	B-97
TAPERED HOLE MAJOR DIAMETER	ADMT	B-96
TENTH HOLE SPACING	CQFP	B-57
TERMINAL WIRE HOLE DEPTH	CRCX	B-6
TERMINAL WIRE HOLE DIAMETER	CRRZ	B-6
TEST DATA DOCUMENT	TEST	1-7
THIRD ANGULAR SPACING IN DEG	ACDM	B-56
THIRD HOLE DIAMETER	AGML	B-34,56
THIRD HOLE SPACING	CRTB	B-35,57,81
THIRD MOUNTING HOLE SPACING	CQDD	B-6,16,81
THIRD STEP HEIGHT	CRKH	B-57
THREAD CLASS AND LOCATION	CRPG	1-5
THREAD LENGTH AND LOCATION	CQJM	1-5
TOP DIAMETER	AJQL	B-3,5,16, 40,54,80
TOP HOLE DEPTH	CSBZ	B-81
TOP HOLE DIAMETER	BQCT	B-5,16,80
TOP THICKNESS	CQBJ	B-6
TOP WIRE GROOVE RADIUS	CRWC	B-51
WALL THICKNESS	AAGT	B-15
WASHER THICKNESS	ADEM	B-80
WIDTH ACROSS CORNERS	ABGB	B-15,80
WIDTH ACROSS FLATS	ASDB	B-16,34,80
WIRE HOLE DIAMETER	CRZZ	B-78,81,97
WIRE HOLE LENGTH	CSBY	B-96
WIRE HOLE WIDTH	CQMH	B-96
WIRE ROPE DIAMETER ACCOMMODATED	CBYW	B-96
WOOD SCREW SIZE	ABGX	1-3
Section III Requirements		
CUBIC MEASURE	CBME	3-1
ENVIRONMENTAL PROTECTION	ADZC	3-1
FRAGILITY FACTOR	AFJN	3-1
FURNISHED ITEMS AND QUANTITY	TMQY	3-1
PURCHASE DESCRIPTION IDENTIFICATION	ZZZP	3-2
SUPPLEMENTARY FEATURES	SUPP	3-2
UNPACKAGED UNIT WEIGHT	PKWT	3-2

FIIG A007A
GENERAL INFORMATION

6. Special Notes

The data elements and codes included in this FIIG are interim and subject to change after data standardization has been effected in accordance with the discipline outlined in DoD Instruction 5000.12.

7. Maintenance

This FIIG was prepared by the Defense General Supply Center. Requests for revisions and other changes will be directed to:

Commander
Defense Logistics Services Center
ATTN: DLSC-CGF
Federal Center
Battle Creek, Michigan 49016

INDEX OF APPROVED ITEM NAMES COVERED BY THIS FIIG

Approved Item Name	Item Name Code	Applicability
Insulator 1. (Electrical) An item made of nonconductive material such as natural occuring mineral mica, vitrified inorganic materials produced by means of heat (ceramic materials) or material which has been electrically rated by government or industry standards or specifications. It is used to support or separate conductors and is specifically designed to prevent any undesirable flow of current between conductors and/or other objects.		
@INSULATOR (1),BEAD An insulator specifically designed to be used as a spacer in, or in conjunction with, such items as coaxial cables, transmission lines, brush, shunt, test leads, high voltage lines and the like. Has an axial hole through which the wire passes and the length of which is considerably more than 25 percent of the largest diameter perpendicular to the hole. The external shapes may be variations of cylindrical and spherical shapes.	18299	A
@INSULATOR (1),BOWL An insulator used for wire entering or feedthru purposes. May include mounting and/or conducting hardware. Includes replacement bowls for feedthru insulators. Characterized by one or more bowl or bell shaped insulator surfaces.	18300	B
@INSULATOR (1),BUSHING An insulator designed to fit into and reduce the effective diameter of the hole(s). It may include mounting and/or conducting hardware. For flexible bushing-type insulators that are self-retaining and consist of two facing flanges separated by a neck, see GROMMET,RUBBER. Also see GROMMET,PLASTIC; SPACER,SLEEVE; and BUSHING,SLEEVE. Excludes INSULATION SLEEVING,ELECTRICAL.	18301	C

Approved Item Name	Item Name Code	Applicability
@INSULATOR (1),CLEAT An insulator of generally rectangular shape which is designed to be attached to a rigid structure. It consists of two separate parts. For items of a generally cylindrical shape, see INSULATOR,KNOB.	18282	D
@INSULATOR (1),DISK An insulator that is essentially thin, flat, and round in shape, with or without holes. The general shape may vary by the addition of such features as beveled edges, indented surfaces, through-hole key and/or peripheral flats. It may have one or more holes off center; if there are two or more holes, one may be centrally located. Excludes MOUNTING PAD,ELECTRICAL-ELECTRONIC COMPONENT.	18295	E
@INSULATOR (1),FEEDTHRU An insulator which is specifically designed to provide for the passage of electrical conductors through such items as panels, bulkheads, walls, and the like. It consists of two or more insulators, including one or more studs fed through the items in such a way as to be used as conductors. The studs may be used for mounting. See also INSULATOR,BOWL; and TERMINAL,FEEDTHRU,INSULATED.	18284	F
@INSULATOR (1),KNOB An insulator of generally cylindrical shape which is designed to be attached to a rigid structure.	18283	G
@INSULATOR (1),PIN An insulator which is grooved for guiding purposes and which is specifically designed to be mounted on a crossarm pin or bracket pin.	18289	H
@INSULATOR (1),PINCAP An insulator having an integral provision for rigidly assembling one upon the other for the purpose of extending its insulating range.	00224	J

Approved Item Name	Item Name Code	Applicability
@INSULATOR (1),PLATE An insulator that is essentially thin and flat and may be any shape except round, with or without holes. Excludes panels specifically designed for non-electrical purpose such as mountings for items requiring hand control and/or visual inspection. Also excludes MOUNTING PAD, ELECTRICAL-ELECTRONIC COMPONENTS; PLATE, ELECTRICAL SHIELD; PLATE,IDENTIFICATION; PLATE,MARKING,BLANK; and TERMINAL BOARD.	18296	K
@INSULATOR (1),SPREADER An insulator which is specifically designed to separate or hold apart free swinging electrical conductors.	18290	L
@INSULATOR (1),STANDOFF An insulator which is specifically designed to support a conductor or an item at a predetermined spacing from a mounting surface. May include mounting and/or conducting hardware.	00225	M
@INSULATOR (1),STRAIN An insulator specifically designed to transmit to the tower, or other support, the entire pull of a conductor or guy wire.	00226	N
@INSULATOR (1),SUSPENSION An insulator having an integral provision for the nonrigid assembling of one upon the other for the purpose of extending its insulating range. It is specifically designed to suspend a conductor from a tower or other support.	00227	P

FIIG A007A
GENERAL INFORMATION

Approved Item Name	Item Name Code	Applicability
@INSULATOR (1),WASHER	18294	Q

@An insulator that is essentially thin and flat, with one through hole centrally located. The general shape may vary by the addition of features such as beveled edges, indented surfaces, through hole keys, and/or peripheral flats. The thickness measured between the two parallel bearing surfaces must not exceed 25 percent of the outside diameter or the shortest distance between peripheral flats. Excludes items with more than one hole. Also see INSULATOR,DISK; INSULATOR,BEAD; INSULATOR,BUSHING; INSULATOR,PLATE; and WASHER,NONMETALLIC.

APPLICABILITY KEY INDEX

Primary Address Code	Section I/III Page No.	Applicability Key									
		A	B	C	D	E	F	G	H	J	K
NAME	1-1	X	X	X	X	X	X	X	X	X	X
STYL	1-1	X	X	X	X	X	X	X	X	X	X
AARX	B-3,15, 112	AR		AR							
ABKV	B-3,5, 15,34,40, 49,51,54, 78,80,96, 110,112	AR	AR	AR		AR	AR	AR	AR	AR	
ABKW	B-3,5,15, 34,51,54, 56,78,80, 96,110,112	AR	AR	AR		AR			AR	AR	AR
CQBH	B-3,16,57, 78,81,96	AR		AR							AR
CRWK	B-3,57	AR									AR
CQLM	B-3,57	AR									AR
AJQL	B-3,5,16, 40,54,80	AR	AR	AR			AR			AR	
ALHL	B-3,49, 57,96	AR						AR			AR
AATE	B-5,15, 56,112		AR	AR							AR
ABGA	B-5		AR								
ABHP	B-5,15,32, 56,78,80, 96		AR	AR	AR						AR
ABKU	B-5,15,40, 80		AR	AR			AR				
ABMK	B-5,15,32, 56,78,80, 96		AR	AR	AR						AR
ABTB	B-5,16,32, 34,40,49, 54,80,96, 110		AR	AR	AR	AR	AR	AR		AR	
CQBJ	B-6		AR								
CRTT	B-6,35,40, 57		AR			AR	AR				AR
ABYZ	B-5		AR								
CQLJ	B-6		AR								
CRNK	B-6		AR								
CQKY	B-6,16,32, 81,110		AR	AR	AR						
CRJN	B-6,17,81		AR	AR							
CQDD	B-6,16,81		AR	AR							
CRGB	B-6,17,81		AR	AR							
CQBL	B-6		AR								
CRXG	B-6		AR								
CQDM	B-6		AR								
CRFB	B-6,54		AR							AR	
CQPP	B-6		AR								
CRDT	B-6		AR								
ABZP	B-5		AR								
CQBM	B-6		AR								

APPLICABILITY KEY INDEX (continued)

Primary Address Code	Section I/III Page No.	Applicability Key									
		A	B	C	D	E	F	G	H	J	K
CRGL	B-6		AR								
CQHR	B-6		AR								
CRDS	B-6		AR				AR				
CQSF	B-6,40		AR				AR				
CRJK	B-6,40		AR								
CQFZ	B-6		AR								
CRCX	B-6		AR								
CQHB	B-6		AR								
CRKQ	B-6		AR								
CQBR	B-6,16,40		AR	AR			AR				
CRDH	B-6,17,40		AR	AR			AR				
CQLF	B-6,40,81		AR				AR				
ADUW	B-5,16,56 80		AR	AR							AR
ADUX	B-5,16,56, 80		AR	AR							AR
AFFL	B-5,16,34, 40,54,80		AR	AR		AR	AR			AR	
AGHG	B-5,16,56		AR	AR							AR
AGPX	B-5,16,34, 40		AR	AR		AR	AR				
AJQM	B-5,16,40		AR	AR			AR				
AYGJ	B-5,40,80		AR				AR				
BGJZ	B-5,80		AR								
BQCT	B-5,16,80		AR	AR							
BXCZ	B-5,16,34, 40,57,80		AR	AR		AR	AR				AR
CFNT	B-5,16,34, 40,57,80		AR	AR		AR	AR				AR
CRRZ	B-6		AR								
AAGT	B-15			AR							AR
AATA	B-15,56,80			AR							
AATR	B-15,80,96			AR							
ABGB	B-15,80			AR							
ABPR	B-16,34			AR		AR					
ABPT	B-16			AR							AR
ABQR	B-16,56,80			AR							AR
ABRC	B-16,34,56, 80			AR		AR					AR
ABRD	B-16,34,56, 80			AR		AR					AR
AJHV	B-16,56,96			AR							
CQKD	B-16			AR							
CRLF	B-17,40			AR			AR				
CQDN	B-16,34,49, 57,81,96			AR		AR		AR			AR
CRYZ	B-17,35,49, 57,81,97			AR		AR		AR			AR
CQBS	B-16,112			AR							
CRBF	B-17,112			AR							
CQJD	B-16			AR							
CRDM	B-17			AR							
CQMT	B-16			AR							
CRGK	B-17			AR							

APPLICABILITY KEY INDEX (continued)

Primary Address Code	Section I/III Page No.	Applicability Key				
		L	M	N	P	Q
CRDK	B-96			AR		
CSBY	B-97			AR		
CQCQ	B-96			AR		
CRFC	B-96			AR		
CSBF	B-97			AR		
CQBY	B-96			AR		
CRKD	B-97			AR		
ADMT	B-96			AR		
CBYW	B-96			AR		
CQMH	B-96			AR		
ABVV	B-110				AR	
CRTW	B-110				AR	
MTLC	1-2	X	X	X	X	X
STLC	1-2	AR	AR	AR	AR	AR
AAPC	1-2	AR	AR	AR	AR	AR
ACGY	1-3	AR	AR	AR	AR	AR
AXHR	1-3	AR	AR	AR	AR	
ABGX	1-3	AR	AR	AR	AR	
CQBP	1-3	AR	AR	AR	AR	
CRFL	1-4	AR	AR	AR	AR	
CQTP	1-5	AR	AR	AR	AR	
CRPG	1-5	AR	AR	AR	AR	
CQJM	1-5	AR	AR	AR	AR	
MARK	1-7	AR	AR	AR	AR	AR
FEAT	1-7	AR	AR	AR	AR	AR
TEST	1-7	AR	AR	AR	AR	AR
SPCL	1-8	AR	AR	AR	AR	AR
ZZZK	1-8	AR	AR	AR	AR	AR
ZZZT	1-9	AR	AR	AR	AR	AR
ZZZW	1-9	AR	AR	AR	AR	AR
ZZZX	1-9	AR	AR	AR	AR	AR
ZZZY	1-10	AR	AR	AR	AR	AR
CRTL	1-10	AR	AR	AR	AR	AR
ELRN	1-10	AR	AR	AR	AR	AR
ELCD	1-10	AR	AR	AR	AR	AR
TMQY	3-1	AR	AR	AR	AR	
ADZC	3-1	AR	AR	AR	AR	AR
CBME	3-1	AR	AR	AR	AR	AR
AFJN	3-1	AR	AR	AR	AR	AR
PKWT	3-2	AR	AR	AR	AR	AR
SUPP	3-2	AR	AR	AR	AR	AR
ZZZP	3-2	AR	AR	AR	AR	AR

SECTION I
ITEM CHARACTERISTICS DATA REQUIREMENTS

APPL KEY	PAC	MODE CODE	REQUIREMENTS
ALL	NAME	D	ITEM NAME Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN. Reply Instructions: Enter the applicable item name code from the index appearing in the General Information Section. (e.g., NAMED18283*)
ALL	STYL	L	STYLE DESIGNATOR Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE ITEM'S APPEARANCE. Reply Instructions: Enter the group designator and applicable style number from Appendix B. (e.g., STYLLC8*)
--	----	-	DIMENSIONS The numeric values which establish the physical limits or boundaries of the item. @See Appendix B, Reference Drawing Groups A through Q, for Index of Primary Address Codes.
			NOTE FOR PAC BSPB: ENTER A REPLY TO PAC BSPB WHEN THE REPLY TO PAC STYL IS C1.
	BSPB (See Note Above)	D	END CONFIGURATION Definition: THE GEOMETRIC CONFIGURATION OF THE END(S) WHEN VIEWED IN CROSS SECTION. Reply Instructions: Enter the applicable reply code from the table below. (e.g., BSPBDAG*)

REPLY CODE	REPLY
AG	BOTH ENDS CHAMFERED
AJ	BOTH ENDS ROUNDED
AK	BOTH ENDS SQUARED
AM	ONE END CHAMFERED, ONE END ROUNDED
AQ	ONE END SQUARED, ONE END CHAMFERED
AR	ONE END SQUARED, ONE END ROUNDED

ALL	MTLC	H	MATERIAL AND LOCATION Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT, AND A DESIGNATION OF THAT PORTION OF AN ITEM TO WHICH THE SPECIFIC MATERIAL IS APPLICABLE. Reply Instructions: Enter the applicable reply code from Appendix A, Table 4, followed by the applicable reply code from Appendix A, Table 1. (e.g., MTLCHAADCJ0000*)

APPL KEY	PAC	MODE CODE	REQUIREMENTS
			When multiple or alternate materials apply to a single location, enter the applicable reply code from Appendix A, Table 4, followed by the applicable reply code from Appendix A, Table 1, using AND/OR coding ($$/$). Enter multiple replies in Appendix A, Table 1 reply code sequence. (e.g., MTLCHAADCJ0000$$HAADGS0000*; MTLCHAADCJ0000$HAADGS0000*) When two or more locations apply, give a separate reply for each location using secondary address coding. Sequence the secondary address coded replies in Appendix A, Table 4 sequence. (e.g., MTLC1AHBSEBR0000* MTLC1BHCAPBR0000$$HCAPGS0000* MTLC1CHSNKBN0141*)
ALL*	STLC	H	SURFACE TREATMENT AND LOCATION Definition: THE PLATING, DIP AND/OR COATING THAT CANNOT BE WIPED OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS THE SURFACE OF THE ITEM, AND A DESIGNATION OF THAT PORTION OF AN ITEM TO WHICH A SPECIFIC SURFACE TREATMENT IS APPLIED. Reply Instructions: Enter the applicable reply code from Appendix A, Table 4, followed by the applicable reply code from Appendix A, Table 2. (e.g., STLCHAADNFG000*) When multiple or alternate surface treatments apply to a single location, enter the applicable reply code from Appendix A, Table 4, followed by the applicable reply code from Appendix A, Table 2, using AND/OR coding ($$/$). Enter the replies in Appendix A, Table 2 reply code sequence. (e.g., STLCHAADCNW000$$HAADNFG000*; STLCHAADCNW000$HAADNFG000*) When two or more locations apply, give a separate reply for each location using secondary address coding. Sequence the secondary address coded replies in Appendix A, Table 4 sequence. (e.g., STLC1AHBSECD000* STLC1BHCAPCD0000$$HCAPCNW000*)
ALL*	AAPC	D	IDENTIFICATION CODE COLOR Definition: THE APPLICATION OF COLOR OR A SERIES OF COLORS FOR THE EXPRESSED PURPOSE OF IDENTIFYING THE SPECIFIC FUNCTIONAL DESIGN AND/OR THE SYSTEM APPLICATION OF AN ITEM. Reply Instructions: Enter the applicable reply code from Appendix A, Table 6. (e.g., AAPCDRE0000*) For multiple replies use AND/OR coding ($$/$), entering replies in alphanumeric reply code sequence. (e.g., AAPCDRE0000$$DWH0000*; AAPCDRE0000$DWH0000*)

APPL KEY	PAC	MODE CODE	REQUIREMENTS
	CQTP (See Note Preceding PAC CRFL)	J	SCREW THREAD QUANTITY PER INCH AND LOCATION Definition: THE NUMBER OF SCREW THREADS ON THE ITEM PER LINEAR INCH MEASURED ON A LINE PARALLEL TO THE THREAD AXIS, INCLUDING INCOMPLETE THREADS AND THE THREAD LOCATION. Reply Instructions: Enter the applicable reply code from Appendix A, Table 4, followed by the quantity. (e.g., CQTPJBSE20.0*; CQTPJBSE20.0$$JBSE20.5*) When two or more locations apply, give a separate reply for each location using secondary address coding. Sequence the secondary address coded replies in Appendix A, Table 4 sequence. (e.g., CQTP1AJBSE20.0* CQTP1BJCAP15.0*)
	@NOTE FOR PACS CRPG AND CQJM: REPLY TO THESE PACS AS APPLICABLE, IF REPLY CODE UN, NC, NE, NF OR NS IS ENTERED FOR PAC CQBP.		
	CRPG (See Note Above)	J	THREAD CLASS AND LOCATION Definition: A NUMERIC-ALPHA DESIGNATOR INDICATING THE PITCH DIAMETER TOLERANCE OF AN EXTERNAL OR INTERNAL THREAD, AND THE LOCATION. Reply Instructions: Enter the applicable reply code from Appendix A, Table 4, followed by the thread class. (e.g., CRPGJBSE1A*; CRPGJBSE1A$$JBSE1B*) When two or more locations apply, give a separate reply for each location using secondary address coding. Sequence the secondary address coded replies in Appendix A, Table 4 sequence. (e.g., CRPG1AJBSE1A* CRPG1BJCAP1A*)
	CQJM (See Note Preceding PAC CRPG)	J	THREAD LENGTH AND LOCATION Definition: A MEASUREMENT OF THE EXTENT OF THREADS INCLUDING INCOMPLETE THREADS MEASURED ALONG A LINE PARALLEL TO THE LONGITUDINAL AXIS AND THE LOCATION. Reply Instructions: Enter the applicable reply codes from Appendix A, Table 4, and from Tables 1 and 2 below, followed by the numeric value. (e.g., CQJMJBSEAA1.750*; CQJMJBSEAB1.500$$JBSEAC2.000*) When two or more locations apply, give a separate reply for each location using secondary address coding. Sequence the secondary address coded replies in Appendix A, Table 4 sequence. (e.g., CQJM1AJBSEAA1.750* CQJM1BJCAPAA1.500*)

Table 1

REPLY CODE	REPLY
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APPL KEY	PAC	MODE CODE	REQUIREMENTS
D*, H*	CRBM	A	CONDUCTOR MECHANICAL ACCOMMODATION QUANTITY

Definition: THE NUMBER OF MECHANICAL ACCOMMODATIONS PROVIDED TO PHYSICALLY SPACE AND/OR SUPPORT ELECTRICAL CONDUCTORS.

Reply Instructions: Enter the numeric value. Exclude terminations which provide electrical connection. (e.g., CRBMA5*)

AAKV J MAXIMUM CONDUCTOR SIZE ACCOMMODATED

Definition: THE MAXIMUM SIZE OF THE CONDUCTOR THE ITEM IS DESIGNED TO ACCOMMODATE.

Reply Instructions: Enter the applicable reply code from the table below, followed by the numeric value of the largest wire size accommodated. (e.g., AAKVJA14*)

See Appendix C, Table 2, for assistance in determining wire sizes. Convert BuShips wire to appropriate AWG or MCM wire sizes.

For items which simultaneously accommodate wires of different sizes, use AND coding ($$) and sequence replies in descending wire size sequence (ascending numeric sequence). (e.g., AAKVJA10$$JA14*)

REPLY CODE	REPLY
A	AWG (American Wire Gage) for sizes larger than 4/0 AWG, use MCM.
M	MCM (Thousands of circular mils) convert units of thousands-i.e., 700,000 circular mils is recorded as 700.

B*, F* ACHF A ELECTRICAL TERMINATION QUANTITY

Definition: THE NUMBER OF TERMINATIONS WHICH FACILITATE ELECTRICAL CONNECTION, SUCH AS TERMINAL LUG(S), STUD(S), CAP(S), ETC. EXCLUDES SPACERS OR SUPPORTS.

Reply Instructions: Enter the numeric value. (e.g., ACHFA3*)

ALL* MARK G SPECIAL MARKINGS

Definition: MARKINGS INCLUDED ON AN ITEM FOR THE PURPOSE OF OFFERING INSTRUCTIONS OR WARNINGS OR TO INDICATE THE ITEM'S PURPOSE, FUNCTION, OR APPLICATION. EXCLUDES MANUFACTURERS PART NUMBERS, SYMBOLS, OR THE LIKE.

Reply Instructions: Enter all special markings in clear text. (e.g., MARKGHIGH V*)

APPL KEY	PAC	MODE CODE	REQUIREMENTS
ALL*	ZZZK	J	SPECIFICATION/STANDARD DATA

Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY.

@Reply Instructions: Enter the applicable reply code from the table below, followed by the Federal Supply Code for Manufacturer (FSCM) of the entity controlling the document, a dash, and the document designator. The agency that controls the limited coordination document must be preceded and followed by a slash following the designator. The word canceled or superseded must be preceded and followed by a slash for the designator. Professional and industrial association specifications/standards are differentiated from a manufacturers specification in that the data has been coordinated and published by the professional and industrial association. Include amendments and revisions where applicable. (e.g., ZZZKJT81337-30624B*; ZZZKJS81349-MIL-D-180 REV1/CANCELED/*; ZZZKJP80205-NAS1103*; ZZZKJS81349-MIL-C-1140C/CE/*; ZZZKJS81348-QQ-B-726/CANCELED/*; ZZZKJT81337-30624B$$JP80205-NAS1103*)

REPLY CODE	REPLY
S	GOVERNMENT SPECIFICATION
T	GOVERNMENT STANDARD
D	MANUFACTURERS SOURCE CONTROL
R	MANUFACTURERS SPECIFICATION
N	MANUFACTURERS SPECIFICATION CONTROL
M	MANUFACTURERS STANDARD
A	PROFESSIONAL/INDUSTRIAL ASSOCIATION SPECIFICATION
P	PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD

ALL*	ZZZT	J	NONDEFINITIVE SPEC/STD DATA

Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD.

Reply Instructions: Enter the applicable reply code from Appendix A, Table 5, followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1*; ZZZTJTY1$$JSTA*; ZZZTJTY1$JSTA*)

ALL*	ZZZW	G	DEPARTURE FROM CITED DOCUMENT

@Definition: THE TECHNICAL DIFFERENTIATING CHARACTERISTIC(S) OF AN ITEM OF SUPPLY WHICH DEPART(S) FROM THE TEXT OF A SPECIFICATION OR A STANDARD IN THAT IT REPRESENTS A SELECTION OF CHARACTERISTICS STATED IN THE SPECIFICATION OR STANDARD AS BEING OPTIONAL, OR A VARIATION FROM ONE OR MORE OF THE STATED CHARACTERISTICS, OR AN ADDITIONAL CHARACTERISTIC NOT STATED IN THE SPECIFICATION OR STANDARD.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZWGAS MODIFIED BY MATERIAL*)

124-00-371

FIIG A007A
SECTION I

APPL KEY	PAC	MODE CODE	REQUIREMENTS
ALL*	ZZZX	G	DEPARTURE FROM CITED DESIGNATOR
			@Definition: THE VARIATION WHEN THE ITEM IS IN CONFORMITY WITH A TYPE DESIGNATOR COVERED BY A SPECIFICATION OR STANDARD, EXCEPT IN REGARD TO ONE OR MORE TECHNICAL DIFFERENTIATING CHARACTERISTICS.
			Reply Instructions: Enter the reply in clear text. (e.g., ZZZXGAS MODIFIED BY MATERIAL*)
ALL*	ZZZY	G	REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS
			@Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS.
			Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS*; ZZZYGAS DIFFERENTIATED BY MATERIAL*)
ALL*	CRTL	A	CRITICALITY CODE JUSTIFICATION
			Definition: THE PRIMARY ADDRESS CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM.
			Reply Instructions: Enter the primary address code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAANNQ*; CRTLAANNR*)
			Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical.
ALL*	ELRN	G	EXTRA LONG REFERENCE NUMBER
			Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS.
			Reply Instructions: Enter the entire reference number. Do not include the 5-digit manufacturers code. (e.g., ELRNGANN112036BIL060557LEN031360SUZ062365*)
			@In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, DIDS Procedures Manual, DoD 4100.39.M.
ALL*	ELCD	D	EXTRA LONG CHARACTERISTIC DESCRIPTION
			Definition: A DESCRIPTION THAT EXCEEDS 5000 CHARACTERS.
			Reply Instructions: Enter the reply code from the table below. (e.g., ELCDDA*)
			The excess characters will be mailed to DLSC on DD Form 146 for review and manual control pending machine processing.
			REPLY CODE — REPLY
			A — ADDITIONAL DESCRIPTIVE DATA ON MANUAL RECORD

SECTION II

@EQUIVALENCY AND SUBSTITUTION CRITERIA

INTRODUCTION

1. Section II has been developed to:

a. Provide machine criteria for the determination of characteristic equivalency.

b. Provide machine criteria for the determination of characteristic substitutability.

c. Provide criteria for use in the manual review of an item's characteristics.

2. This Section II Data Range Criteria is presented in segments. The purpose, use, and presentation of each segment is defined in the introduction thereto. The segments are identified and titled as follows:

Segment A: Machine Equivalency Criteria

Segment B: Machine Substitution Criteria

Segment C: Manual Criteria (Not Applicable)

3. This Section II also contains the following:

a. Machine conversion formulas and rounding instructions.

b. Data Range Table Annex containing tables too lengthy for inclusion in the applicable segment or when they are applicable to more than one segment.

4. CONVERSION FORMULAS AND RATIONALIZATION

TO CONVERT	TO	MULTIPLY BY
1 - MILLIMETERS	INCHES	Ø.Ø3937

Celsius Rationalization

a. 5 Degree Rationalization (Equivalency): A value not an increment of 5 will be rationalized to the nearest increment of 5. If the value is midway between increments of 5 (1) for values below Ø.Ø degrees C rationalize to the lower increment; (2) for values above Ø.Ø degrees C rationalize to the higher increment.

b. 1Ø Degree Rationalization (Substitution): A value not an increment of 1Ø will be rationalized to the nearest increment of 1Ø. If the value is midway between increments of 1Ø (1) for values below Ø.Ø degrees C rationalize to the lower increment; (2) for values above Ø.Ø degrees C rationalize to the higher increment.

FIIG A007A
SECTION II

5. ROUNDING INSTRUCTIONS

After use of the applicable conversion formulas, round to the appropriate number of places as specified in General Information or as otherwise instructed in the specific Section I requirement in accordance with the following instructions:

a. When the first digit discarded is less than 5, the last digit retained should not be changed. For example, 3.46325 if rounded to three decimal places, would be 3.463; if rounded to two decimal places, 3.46.

b. When the first digit discarded is greater than 5 or if it is a 5 followed by at least one digit other than Ø, the last figure retained should be increased by one unit. For example, 8.37652 if rounded to three decimal places would be 8.377; if rounded to two decimal places, 8.38; if rounded to one decimal place, 8.4.

c. When the first digit discarded is exactly 5, followed by zeroes, the last digit retained should be rounded upward if it is an odd number, but no adjustment made if it is an even number. For example, 4.365 when rounded to two decimal places becomes 4.36. 4.355 would also round to the same value, 4.36, if rounded to two decimal places.

6. STANDARD PACS

a. Standard PACs FEAT, TEST, SPCL, ZZZK, ZZZT, ZZZW, ZZZX, ZZZY, ELRN, and ELCD will not be characteristically screened during the stock number assignment process. If screening reveals a possible characteristics duplicate item(s), manual review of these requirements will be necessary.

b. PAC CRTL will be characteristically screened at stock number request time and during a search request. The entering of a PAC as a reply to this requirement will, in effect, cancel that PAC's Data Range Criteria. Value-for-value matching of replies to the referenced PAC will then be required.

PAC INDEX

PAC	SEGMENT A PAGE NO.	SEGMENT B PAGE NO.
AAGT	2A-3	2B-4
AAKV	2A-8	2B-12
AAPC	2A-8	2B-11
AARX	2A-2	2B-2
AASY	2A-4	2B-5
AATA	2A-7	2B-7
AATE	2A-7	2B-7
AATR	2A-3	2B-4
ABGA	2A-2	2B-2
ABGB	2A-4	2B-4
ABGX	2A-8	2B-11
ABHP	2A-2	2B-2
ABKH	2A-5	2B-5
ABKU	2A-2	2B-3
ABKV	2A-2	2B-2
ABKW	2A-2	2B-2
ABMK	2A-2	2B-3
ABPR	2A-4	2B-4
ABPS	2A-5	2B-6
ABPT	2A-4	2B-4
ABPU	2A-5	2B-6
ABQR	2A-4	2B-4
ABRC	2A-4	2B-4
ABRD	2A-4	2B-4
ABTB	2A-2	2B-3
ABVV	2A-7	2B-7
ABYZ	2A-7	2B-7
ABZP	2A-7	2B-8
ACDK	2A-7	2B-7
ACDL	2A-7	2B-7
ACDM	2A-7	2B-7
ACEV	2A-7	2B-7
ACGY	2A-8	2B-11
ACHF	2A-8	2B-12
ACVR	2A-4	2B-5
ACXU	2A-5	2B-5
ADEM	2A-6	2B-6
ADMT	2A-7	2B-7
ADUW	2A-3	2B-3
ADUX	2A-3	2B-3
AFFL	2A-3	2B-3
AGEU	2A-5	2B-5
AGGZ	2A-4	2B-5
AGHG	2A-3	2B-4
AGML	2A-5	2B-5
AGMM	2A-5	2B-5
AGPX	2A-3	2B-4
AHHG	2A-6	2B-6
AHLF	2A-6	2B-6
AHQN	2A-6	2B-6
AHSJ	2A-6	2B-6
AJCZ	2A-6	2B-7
AJEK	2A-4	2B-5
AJHV	2A-4	2B-4
AJHW	2A-4	2B-5

FIIG A007A
SECTION II

PAC	SEGMENT A Page No.	SEGMENT B Page No.
CSBZ	2A-6	2B-6
CSCM	2A-5	2B-6
CSCT	2A-6	2B-6
CSDB	2A-6	2B-6
CSDD	2A-5	2B-6
CSDJ	2A-6	2B-6
CSDM	2A-6	2B-6
MARK	2A-8	2B-12
MTLC	2A-8	2B-8
NAME	2A-2	2B-2
STLC	2A-8	2B-11
STYL	2A-2	2B-2

SEGMENT A

EQUIVALENCY CRITERIA

INTRODUCTION

1. Purpose

Criteria in this segment have been developed for application during the machine determination of item characteristics equivalency. It contains the Data Range Tables, conversion formulas applications and criteria statements necessary to delineate item characteristics equivalency.

2. Use

a. These criteria provide uniform interpretation of variable characteristic values by means of the criteria statements in the form of:

(1) An input value that is equivalent to other values.

(2) A range of input values that are equivalent to other values.

(3) An input reply code(s) that is equivalent to other reply codes.

b. The use of these criteria is mandatory during the Parametric Screening Process or the Equivalency Search by Characteristic Process, if applicable.

3. Presentation

a. This segment includes the Characteristic Equivalency Criteria for all Section I requirements excluding the Standard PACs. Criteria are presented in FIIG Applicability Key Index sequence. The criteria are only valid within the context and limitation of the Section I requirement definitions.

b. Equivalency Data Range Tables that are too lengthy or applicable to Segment B will be listed in the Section II Annex.

FIIG A007A
SECTION II
SEGMENT A

APPL KEY	PAC	REQUIREMENTS	ANNEX TABLE
ALL	NAME	ITEM NAME	
A,C,D, F,H,M, N	STYL	STYLE DESIGNATOR Criteria: Value for value match required.	
A,C,Q	AARX	INTERIOR DIAMETER	3
ALL except D,K	ABKV	OUTSIDE DIAMETER	2
ALL except D,F,G	ABKW	OVERALL HEIGHT	2
A,C,K L,M,N	CQBH	FIRST END RADIUS	3
A,K	CRWK	FIRST SIDE RADIUS	3
	CQLM	SECOND END RADIUS	3
A,B,C, F,J,M	AJQL	TOP DIAMETER	2
A,G,K, N	ALHL	SIDE LENGTH	3
B	ABGA	GROOVE DEPTH	3
B,C,D, K,L,M,N	ABHP	OVERALL LENGTH	2
B,C,E, M	ABKU	FLANGE THICKNESS	3
B,C,D, K,L,M,N	ABMK	OVERALL WIDTH	3
ALL except A,H,K, L,Q	ABTB	MOUNTING HOLE DIAMETER	3
B	CQBJ	TOP THICKNESS	3
B,E,F, K	CRTT	SHOULDER DEPTH	3
B	CQLJ	MAJOR GROOVE DIAMETER	2
	CRNK	MINOR GROOVE DIAMETER	3
B,C,D, M,P	CQKY	FIRST MOUNTING HOLE SPACING	3

APPL KEY	PAC	REQUIREMENTS
ALL	MTLC	MATERIAL AND LOCATION Criteria: For matching Appendix A, Table 4 reply codes within brackets are equivalent. All other reply codes will be considered unique. PC0009 PC0032 PC0043 PC0146 PC0041 PC0138 PC0139 PC0010 PC0033 PC0044 PC0147 PC0042 PC0136 PC0137 PC0403
C	BSPB	END CONFIGURATION
ALL	STLC	SURFACE TREATMENT AND LOCATION
	AAPC	IDENTIFICATION CODE COLOR
	ACGY	DIELECTRIC MATERIAL VOLTAGE RATING PER MIL THICKNESS IN VOLTS
ALL except A,C,E, K,Q	AXHR	MOUNTING FACILITY TYPE AND QUANTITY
	ABGX	WOOD SCREW SIZE
ALL except A,E, K,Q	CQBP	SCREW THREAD SERIES DESIGNATOR AND LOCATION
	CQTP	SCREW THREAD QUANTITY PER INCH AND LOCATION
	CRPG	THREAD CLASS AND LOCATION
D,H	CRBM	CONDUCTOR MECHANICAL ACCOMMODATION QUANTITY
	AAKV	MAXIMUM CONDUCTOR SIZE ACCOMMODATED
B,F	ACHF	ELECTRICAL TERMINATION QUANTITY
ALL	MARK	SPECIAL MARKING

SEGMENT B

SUBSTITUTION CRITERIA

INTRODUCTION

1. Purpose

Criteria in this segment have been developed for application by the machine during the determination of item characteristic substitution. It contains the Data Range Tables, conversion formula(s) reference and the criteria statements necessary to delineate item characteristics substitutibility.

2. Use

a. These criteria provide uniform interpretation of variable characteristic values by means of the criteria statements in the form of:

(1) A value or values that will substitute for an input value(s).

(2) A value or values that will substitute for a range of input values.

(3) A reply code or group of reply codes that will substitute for an input reply code.

b. These criteria will not be applied during the Parametric Characteristic Screening for NSN Assignment process. These criteria will only be applied during the Parametric Substitution Search by Characteristics Process.

3. Presentation

a. This segment contains the Characteristic Substitution Criteria for all Section I requirements excluding the Standard PACs. Criteria will be presented in FIIG Applicability Key Index sequence. The Criteria are only valid within the context and limitations of the Section I requirement definitions.

b. Substitution Data Range Tables that are too lengthy or also applicable to Segment A will be listed in the Section II Annex.

FIIG A007A
SECTION II
SEGMENT B

APPL KEY	PAC	REQUIREMENTS	ANNEX TABLE
ALL	NAME	ITEM NAME Criteria: Value-for-value match required.	
B,C,D, F,H,M,N	STYL	STYLE DESIGNATOR Criteria: A style designator in Column B will substitute for its related style designator in Column A. All other reply codes will be considered unique.	
A,C,Q	AARX	INTERIOR DIAMETER	6
ALL except D,K	ABKV	OUTSIDE DIAMETER	5
ALL except D,F,G	ABKW	OVERALL HEIGHT	5
A,C,K, L,M,N	CQBH	FIRST END RADIUS	6
A,K	CRWK	FIRST SIDE RADIUS	6
	CQLM	SECOND RADIUS	6
A,B,C, F,J,M	AJQL	TOP DIAMETER	5
A,G, K,N	ALHL	SIDE LENGTH	6
B	ABGA	GROOVE DEPTH	6
B,C,D, K,L,M,N	ABHP	OVERALL LENGTH	5
B,C, E,M	ABKU	FLANGE THICKNESS	6

A	B	A	B
B1	B3	C72	C73
B2	B4	D2	D3
C2	C1	F1	F2
C4	C5	H1	H2
C2Ø	C21	M1	M2
C3Ø	C31,C32	M9	M1Ø,M11,M12
C33,C34	C35	M14	M15
C37	C36	M16	M17
C38	C39	M29	M3Ø
C54	C55	M31	M32
C59	C6Ø	N1	N4
C64	C65,C66	N16	N17
C69	C7Ø	N27	N28

APPL KEY	PAC	REQUIREMENTS	ANNEX TABLE
M	CQCL	INSERT FLANGE THICKNESS	6
	CRXQ	NONTURN FEATURE HOLE DEPTH	6
	CSDJ	SECOND WIRE HOLE DIAMETER	5
M,N	CQFS	FIRST CAP HEIGHT	6
M	CRJL	SECOND CAP HEIGHT	6
	CSBZ	TOP HOLE DEPTH	6
	ADEM	WASHER THICKNESS	6
	AJCZ	BASE HEIGHT	6
B	CRDT	SHOULDER NOTCH WIDTH	6
M	BTPG	BOWL DEPTH	5
N	CRDK	SHACKLE LENGTH	6
	CSBY	WIRE HOLE LENGTH	6
	CQCQ	FIRST TONGUE THICKNESS	6
	CRFC	FIRST TONGUE LENGTH	6
	CSBF	TAPERED HOLE DEPTH	6
	CQBY	SHACKLE WIDTH	6
	CRKD	SHACKLE THICKNESS	6
	ADMT	TAPERED HOLE MAJOR DIAMETER	5
	CBYW	WIRE ROPE DIAMETER ACCOMMODATED	6
	CQMH	WIRE HOLE WIDTH	6
P	ABVV	PIN DIAMETER	5
	CRTW	DISTANCE FROM INSIDE OF MOUNTING HOLE TO OUTSIDE SURFACE	6
ALL except A,E, K,Q	CRFL	SCREW THREAD DIAMETER AND LOCATION	6
	CQJM	THREAD LENGTH AND LOCATION	4
		NOTE: Conversion formula 1 and rounding rules apply.	
		Criteria:	
		1. Input NOMINAL, MINIMUM only, MAXIMUM only or MINIMUM-MAXIMUM range values that fall within a table value range will be screened against that table value range for substitution.	
		2. For those input MINIMUM-MAXIMUM range values that fall into more than one table range, a mid-point will be computed and the table range containing that value will be used for screening/search.	
		3. All other values will be considered unique.	
C,K,M	AATA	COUNTERSINK ANGLE IN DEG	
B,C	AATE	CHAMFER ANGLE IN DEG	

FIIG A007A
SECTION II
SEGMENT B

APPL KEY	PAC	REQUIREMENTS
		SURFACE TREATMENTS AND LOCATION (continued)
		COLUMN A / COLUMN B
ALL GROUPS		AAAAAA / All reply codes, Appendix A, Table 2
GROUP 1		CD0000 / CD0008
GROUP 2		PH0000 / PH0002
GROUP 3		SNF000 / SN0002, SN0003
GROUP 4		ZN0000 / ZN0006
C	BSPB	END CONFIGURATION
ALL	AAPC	IDENTIFICATION CODE COLOR
	ACGY	DIELECTRIC MATERIAL VOLTAGE RATING PER MIL THICKNESS IN VOLTS
ALL except A,C,E,K,Q	AXHR	MOVING FACILITY TYPE AND QUANTITY
ALL except A,C,E,K,Q	ABGX	WOOD SCREW SIZE
ALL except A,E,K,Q	CQBP	SCREW THREAD SERIES DESIGNATOR AND LOCATION
ALL except A,E, K,Q	CQTP	SCREW THREAD QUANTITY PER INCH AND LOCATION
	CRPG	THREAD CLASS AND LOCATION
D,H	CRBM	CONDUCTOR MECHANICAL ACCOMMODATION QUANTITY
	AAKV	MAXIMUM CONDUCTOR SIZE ACCOMMODATED
B,F	ACHF	ELECTRICAL TERMINATION QUANTITY
ALL	MARK	SPECIAL MARKINGS
		Criteria: Value-for-value match required.

DATA RANGE TABLE ANNEX

Table 1

MINIMUM-MAXIMUM	MINIMUM-MAXIMUM	MINIMUM-MAXIMUM
N.001 - N.032	N.353 - N.384	N.705 - N.736
N.033 - N.064	N.385 - N.416	N.737 - N.768
N.065 - N.096	N.417 - N.448	N.769 - N.800
N.097 - N.128	N.449 - N.480	N.801 - N.832
N.129 - N.160	N.481 - N.512	N.833 - N.864
N.161 - N.192	N.513 - N.544	N.865 - N.896
N.193 - N.224	N.545 - N.576	N.897 - N.928
N.225 - N.256	N.577 - N.608	N.929 - N.960
N.257 - N.288	N.609 - N.640	N.961 - N.992
N.289 - N.320	N.641 - N.672	N.993 -(N+1).000
N.321 - N.352	N.673 - N.704	*1.993 - 2.024

NOTE: THE ALPHA "N" REPRESENTS THE DIGITS 2 THRU 4.

N.025 - N.087	N.403 - N.465	N.781 - N.843
N.088 - N.150	N.466 - N.528	N.844 - N.906
N.151 - N.213	N.529 - N.591	N.907 - N.969
N.214 - N.276	N.592 - N.654	N.970 -(N+1).024
N.277 - N.339	N.655 - N.717	*4.970 - 5.032
N.340 - N.402	N.718 - N.780	

NOTE: THE ALPHA "N" REPRESENTS THE DIGITS 5 THRU 9.

N.033 - N.158	N.411 - N.536	N.789 - N.914
N.159 - N.284	N.537 - N.662	N.915 -(N+1).032
N.285 - N.410	N.663 - N.788	*9.915 - 10.040

NOTE: THE ALPHA "N" REPRESENTS THE DIGITS 10 THRU 36.

N.041 - N.291	N.543 - N.793	N.794 -(N+1).044
N.292 - N.542		

Table 2

NOTE: THE ALPHA "N" REPRESENTS THE DIGITS 0 THRU 1.

N.001 - N.011	N.210 - N.220	N.419 - N.429
N.012 - N.022	N.221 - N.231	N.430 - N.440
N.023 - N.033	N.232 - N.242	N.441 - N.451
N.034 - N.044	N.243 - N.253	N.452 - N.462
N.045 - N.055	N.254 - N.264	N.463 - N.473
N.056 - N.066	N.265 - N.275	N.474 - N.484
N.067 - N.077	N.276 - N.286	N.485 - N.495
N.078 - N.088	N.287 - N.297	N.496 - N.506
N.089 - N.099	N.298 - N.308	N.507 - N.517
N.100 - N.110	N.309 - N.319	N.518 - N.528
N.111 - N.121	N.320 - N.330	N.529 - N.539
N.122 - N.132	N.331 - N.341	N.540 - N.550
N.133 - N.143	N.342 - N.352	N.551 - N.561
N.144 - N.154	N.353 - N.363	N.562 - N.572
N.155 - N.165	N.364 - N.374	N.573 - N.583
N.166 - N.176	N.375 - N.385	N.584 - N.594
N.177 - N.187	N.386 - N.396	N.595 - N.605
N.188 - N.198	N.397 - N.407	N.606 - N.616
N.199 - N.209	N.408 - N.418	N.617 - N.627

FIIG A007A
SECTION II
ANNEX

Table 2 (continued)

MINIMUM-MAXIMUM	MINIMUM-MAXIMUM	MINIMUM-MAXIMUM
N.628 - N.638	N.760 - N.770	N.892 - N.902
N.639 - N.649	N.771 - N.781	N.903 - N.913
N.650 - N.660	N.782 - N.792	N.914 - N.924
N.661 - N.671	N.793 - N.803	N.925 - N.935
N.672 - N.682	N.804 - N.814	N.936 - N.946
N.683 - N.693	N.815 - N.825	N.947 - N.957
N.694 - N.704	N.826 - N.836	N.958 - N.968
N.705 - N.715	N.837 - N.847	N.969 - N.979
N.716 - N.726	N.848 - N.858	N.980 - N.990
N.727 - N.737	N.859 - N.869	N.991 -(N+1)..000
N.738 - N.748	N.870 - N.880	*1.991 - 2.001
N.749 - N.759	N.881 - N.891	

NOTE: THE ALPHA "N" REPRESENTS THE DIGITS 2 THRU 4.

N.002 - N.032	N.374 - N.404	N.715 - N.745
N.033 - N.063	N.405 - N.435	N.746 - N.776
N.064 - N.094	N.436 - N.466	N.777 - N.807
N.095 - N.125	N.467 - N.497	N.808 - N.838
N.126 - N.156	N.498 - N.528	N.839 - N.869
N.157 - N.187	N.529 - N.559	N.870 - N.900
N.188 - N.218	N.560 - N.590	N.901 - N.931
N.219 - N.249	N.591 - N.621	N.932 - N.962
N.250 - N.280	N.622 - N.652	N.963 - N.993
N.281 - N.311	N.653 - N.683	N.994 -(N+1).001
N.312 - N.342	N.684 - N.714	*4.994 - 5.024
N.343 - N.373		

NOTE: THE ALPHA "N" REPRESENTS THE DIGITS 5 THRU 9.

N.025 - N.087	N.403 - N.465	N.781 - N.843
N.088 - N.150	N.466 - N.528	N.844 - N.906
N.151 - N.213	N.529 - N.591	N.907 - N.969
N.214 - N.276	N.592 - N.654	N.970 -(N+1).024
N.277 - N.339	N.655 - N.717	*9.970 - 10.031
N.340 - N.402	N.718 - N.780	

NOTE: THE ALPHA "N" REPRESENTS THE DIGITS 10 THRU 36.

N.032 - N.157	N.410 - N.535	N.788 - N.913
N.158 - N.283	N.536 - N.661	N.914 -(N+1).031
N.284 - N.409	N.662 - N.787	

APPL KEY	PAC	MODE CODE	REQUIREMENTS
ALL except A,E, K,Q	TMQY	J	FURNISHED ITEMS AND QUANTITY Definition: THE NAME AND NUMBER OF THOSE PARTS FURNISHED WITH THE ITEM OF SUPPLY THAT HAVE NOT BEEN SPECIFIED ELSEWHERE. @Reply Instructions: Enter the applicable reply code from Appendix A, Table 3, followed by the quantity. (e.g., TMQYJABX2*) @When multiple items are furnished, use AND/OR coding ($$/$) entering replies in alpha numeric sequence. (e.g., TMQYJABR3$$JABW3*)
ALL	ADZC	D	ENVIRONMENTAL PROTECTION Definition: THE ENVIRONMENTAL ELEMENTS OR CONDITIONS THAT AN ITEM IS DESIGNED OR PROTECTED TO RESIST OR WITHSTAND SATISFACTORILY. @Reply Instructions: Enter the applicable reply code from the table below. (e.g., ADZCDLB*; ADZCDGP$$DAJ*) REPLY CODE — REPLY LB — ELECTRICAL ARCING GP — FUNGUS RESISTANT CY — HEAT RESISTANT MP — MILDEW PROOFED AJ — MILDEW RESISTANT
ALL	CBME	J	CUBIC MEASURE Definition: A MEASUREMENT OF VOLUME TAKEN BY MULTIPLYING THE LENGTH BY THE WIDTH BY THE HEIGHT OF AN ITEM AND RENDERED IN CUBIC UNITS. Reply Instructions: Enter the applicable reply code from the table below, followed by the numeric value. (e.g., CBMEJCN6.375*) See Appendix C, Table 9 for conversion of Cubic Inches and Cubic Centimeters. REPLY CODE — REPLY CN — CUBIC INCHES CC — CUBIC CENTIMETERS
ALL	AFJN	D	FRAGILITY FACTOR Definition: THE MEASURE OF SENSITIVITY OF THE ITEM TO BE PACKAGED. A FACTOR USED BY PACKAGING ENGINEERS IN DEVISING PROPER CUSHIONING IN A PACKAGE. Reply Instructions: Enter the applicable reply code from the table below. (e.g., AFJNDE*)

APPL KEY	PAC	MODE CODE	REQUIREMENTS

REPLY CODE — REPLY

B	EXTREMELY FRAGILE
C	VERY DELICATE
D	DELICATE
E	MODERATELY DELICATE
F	MODERATELY RUGGED
G	RUGGED

ALL PKWT J UNPACKAGED UNIT WEIGHT

Definition: THE MEASURED WEIGHT OF AN ITEM UNENCUMERED BY PACKAGING OR PACKING MATERIAL.

Reply Instructions: Enter the applicable reply code from the table below, followed by the numeric value. (e.g., PKWTJOZ4.25Ø*)

For items indicating pounds and ounces, see Appendix C, Tables 3 and 8 for conversion of Ounces, Pounds, Grams, and Kilograms.

REPLY CODE — REPLY

OZ	OUNCES
LB	POUNDS
GM	GRAMS
KG	KILOGRAMS

ALL SUPP G SUPPLEMENTARY FEATURES

@Definition: CHARACTERISTICS OR QUALITIES OF AN ITEM, NOT COVERED IN ANY OTHER REQUIREMENT, WHICH ARE CONSIDERED ESSENTIAL INFORMATION FOR ONE OR MORE FUNCTIONS EXCLUDING NSN ASSIGNMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SUPPGMAY INCL HOLE IN SUPPER SUPPORT FOR MTG DURING SHIPMENT*)

ALL ZZZP J PURCHASE DESCRIPTION IDENTIFICATION

Definition: THE CONTROLLING ACTIVITY AND IDENTIFICATION OF A DOCUMENT USED IN LIEU OF A SPECIFICATION IN THE PROCUREMENT OF AN ITEM OF SUPPLY.

@Reply Instructions: Enter the 5-digit manufactures code, followed by a dash and the identifying number of the document. (e.g., ZZZPJ81337-3Ø624A*)

INDEX TO APPENDIX A

	Page No.
Table 1 - MATERIALS	A-2 through A-28
Table 2 - SURFACE TREATMENTS	A-29
Table 3 - FURNISHED ITEMS	A-29
Table 4 - LOCATIONS	A-30
Table 5 - NONDEFINITIVE SPEC/STD DATA	A-30 and A-31
Table 6 - COLORS	A-32

MATERIALS

Table 1

REPLY CODE	REPLY
AAAAAA	ANY ACCEPTABLE
BS0000	ALUMINA
BSA000	ALUMINA CERAMIC
ALC000	ALUMINUM
AL0000	ALUMINUM ALLOY
AL0254	ALUMINUM ALLOY, QQ-A-225/1, ALLOY 1100, 0
AL0269	ALUMINUM ALLOY, QQ-A-225/3, ALLOY 2011, T3
AL0290	ALUMINUM ALLOY, QQ-A-225/8, ALLOY 6061, T4
AL0142	ALUMINUM ALLOY, QQ-A-250/11
AL0386	ALUMINUM ALLOY, QQ-A-250/11, ALLOY 6061, T4
AL0776	ALUMINUM ALLOY, QQ-A-250/11, T4
AL0889	ALUMINUM ALLOY, QQ-A-250/11, T6
AL0532	ALUMINUM ALLOY, QQ-A-318, H34
AL2023	ALUMINUM, ALLOY 6061, T4, TRW ELECTRONIC COMPONENTS, CINDH-MONADOCK DIV
AS0000	ASBESTOS
AS0083	ASBESTOS CLOTH, MIL-C-4117, TYPE 3
AS0019	ASBESTOS, MIL-A-17472
AS0084	ASBESTOS, MIL-A-7021
AS0007	ASBESTOS, MIL-G-12803, NO. P1162-A
AS0082	ASBESTOS, MIL-G-7021
AS0085	ASBESTOS, RM 650, RAYBESTOS-MANHATTAN INC
BC0000	BERYLLIUM COPPER
BC0001	BERYLLIUM COPPER, QQ-C-530
AH0000	BERYLLIUM OXIDE
BG0000	BONDED
BQ0002	BORON NITRIDE, GRADE HBR, UNION CARBIDE CORP
BQ0001	BORON NITRIDE, 52305AJ, WESTINGHOUSE ELECTRIC CORP
BR0000	BRASS
BR0044	BRASS, MIL-B-994, COMP A
BR0046	BRASS, MIL-B-994, COMP A OR C
BR0045	BRASS, MIL-B-994, COMP C
BR0229	BRASS, QQ-B-611, COMP B, 1/2 H-CANCELED
BR0047	BRASS, QQ-B-613
BR0079	BRASS, QQ-B-613, ALLOY 240, 1/2H
BR0013	BRASS, QQ-B-621, CLASS A-CANCELED
BR0048	BRASS, QQ-B-626
BR0155	BRASS, QQ-B-626, ALLOY 360, 1/2H
BR0018	BRASS, QQ-B-626, COMP 22
BR0063	BRASS, QQ-B-637
BR0070	BRASS, QQ-B-637, ALLOY 462
BR0071	BRASS, QQ-B-637, ALLOY 464
BR0072	BRASS, QQ-B-637, ALLOY 482
BR0073	BRASS, QQ-B-637, ALLOY 485
BR0019	BRASS, QQ-B-637, COMP 1
BR0049	BRASS, QQ-N-35, COMP 1, HARD-CANCELED
BR0050	BRASS, QQ-W-321
BN0000	BRONZE
BM0088	BRONZE MANGANESE, QQ-B-726-CANCELED
BM0064	BRONZE MANGANESE, QQ-L-225, COMP 1
BN0141	BRONZE, MIL-B-16541, GRADE A
BM0087	BRONZE, MIL-B-16541, GRADE A
BN0032	BRONZE, QQ-B-1005, COMP 4-CANCELED

Table 1 (continued)

REPLY CODE	REPLY
SD0000	STEATITE
SD0001	STEATITE, JAN-I-8
SD0003	STEATITE, JAN-I-8, TYPE NS5AW4204
SD0002	STEATITE, SYMBOL BN, TYPE NO. 3942, GENERAL CERAMIC CORP
ST0000	STEEL
STAABC	STEEL ALLOY
ST0596	STEEL, CARBON FREE MACHINING
ST1052	STEEL, CARBON
ST0634	STEEL, CARBON, QQ-S-624
ST0635	STEEL, CARBON, QQ-S-633
SC0000	STEEL, CORROSION RESISTING
STB000	STEEL, CORROSION RESISTING
SC0125	STEEL, CORROSION RESISTING, MIL-W-7720
SC0078	STEEL, CORROSION RESISTING, QQ-S-763, CLASS 302
SC0079	STEEL, CORROSION RESISTING, QQ-S-763, CLASS 303
SC0081	STEEL, CORROSION RESISTING, QQ-S-763, CLASS 304
ST2033	STEEL, QQ-S-630
ST1646	STEEL, QQ-S-763, CLASS 302
ST1647	STEEL, QQ-S-763, CLASS 303
ST1649	STEEL, QQ-S-763, CLASS 304
STD000	STEEL, STAINLESS
VA0015	VARNISH, MIL-V-1137, TYPE M, GRADE CB
FBK000	VULCANIZED FIBER
VD0000	VULCANIZED FIBER
FB0037	VULCANIZED FIBER, ASTM D-710-63, COMMERCIAL GRADE
FB0022	VULCANIZED FIBER, ASTM D710
FB0041	VULCANIZED FIBER, MIL-F-10336, TRUNK GRADE
VD0001	VULCANIZED FIBER, MIL-F-1148, GRADE BH
VD0002	VULCANIZED FIBER, MIL-F-1148, GRADE CH
FB0038	VULCANIZED FIBRE, ASA-C59.20-1949, COMMERCIAL GRADE
FB0048	VULCANIZED FIBRE, ASTM D710-54T, COMMERCIAL GRADE
WD0000	WOOD
CJ0037	X300-1, GRADE STYRAMIC HT, MONSANTO CHEMICAL CO

FIIG A007A
APPENDIX A

SURFACE TREATMENTS

Table 2

REPLY CODE	REPLY
AAAAAA	ANY ACCEPTABLE
AN0000	ANODIZED
BA0000	BLACK OXIDE
BA0001	BLACK OXIDE, MIL-F-495
CD0000	CADMIUM
CDR000	CADMIUM PLATED
CDAL00	CADMIUM PLATED W/CHROMATE
CD0014	CADMIUM, QQ-P-416, TYPE 2, CLASS C
CD0008	CADMIUM, QQ-P-416, TYPE 2, CLASS 2
CNW000	CHROMATE TREATMENT
GB0000	GALVANIZED
GL0000	GLAZED
NF0000	NICKEL
NFG000	NICKEL PLATED
NF0109	NICKEL PLATING, QQ-N-290
PH0000	PHOSPHATE
PH0002	PHOSPHATE, MIL-C-16232
AG0000	SILVER
SJF000	SOLDER COATED
SJC000	SOLDER DIP, HOT
SN0004	TIN PLATE, MIL-T-10727, TYPE 1 OR 2
SNF000	TIN PLATED
SN0002	TIN PLATED, MIL-T-10727, TYPE 1
SN0003	TIN PLATED, MIL-T-10727, TYPE 2
TD0000	TINNED DIPPED, HOT
VA0001	VARNISHED, MIL-V-173
ZN0000	ZINC
ZN0006	ZINC, QQ-Z-325, TYPE 2, CLASS 3

FURNISHED ITEMS

Table 3

REPLY CODE	REPLY
ABR	BOLT
ABS	BRACKET
ABT	LUG, TERMINAL
ABW	NUT
ABX	NUT, WING
ABY	PIN
ABZ	SHIELD
ACA	WASHER, FLAT
ACB	WASHER, LOCK

LOCATIONS

Table 4

REPLY CODE	REPLY
BSE	BASE
CAP	CAP
CSD	CENTER STUD
ETM	ELECTRICAL TERMINATION
FCB	FIRST COUNTERBORE
GKT	GASKET
MTB	MOUNTING BASE
MTF	MOUNTING FACILITY
AAD	OVERALL
SCB	SECOND COUNTERBORE
SNK	SHANK
SLD	SHIELD

NONDEFINITIVE SPEC/STD DATA

Table 5

REPLY CODE	REPLY
AL	ALLOY
AC	APPLICABILITY CLASS
AR	ARRANGEMENT
AS	ASSEMBLY
AB	ASSORTMENT
BX	BOX
CY	CAPACITY
CA	CASE
CT	CATEGORY
CL	CLASS
CE	CODE
CR	COLOR
CP	COMPOSITION
CM	COMPOUND
CD	CONDITION
CS	CONSTRUCTION
DE	DESIGN
DG	DESIGNATOR
DW	DRAWING NUMBER
EG	EDGE
FG	FIGURE
FN	FINISH
FM	FORM
FA	FORMULA
GR	GRADE
GP	GROUP
TM	ITEM
KD	KIND
KT	KIT
LG	LENGTH
LT	LIMIT
MK	MARK
ML	MATERIAL
MH	MESH

FIIG A007A
APPENDIX A

COLORS

Table 6

REPLY CODE	REPLY
AM0000	AMBER
BL0000	BLACK
BU0000	BLUE
BR0000	BROWN
BR0008	BROWN, CHOCOLATE
BR0071	BROWN, GRAY
BR0003	BROWN, LIGHT
MS0013	BUFF
CL0000	CLEAR
GY0000	GRAY
GR0000	GREEN
GR0026	GREEN, GRAY
NA0000	NATURAL
LD0000	OLIVE DRAB
RG0000	ORANGE
RE0000	RED
RE0020	RUBY
SL0000	SILVER
TA0000	TAN
VL0000	VIOLET
WH0000	WHITE
YE0000	YELLOW

INDEX TO APPENDIX B

REFERENCE DRAWING	Page No.
GROUP A - INSULATOR, BEAD	B-3 and B-4
GROUP B - INSULATOR, BOWL	B-5 through B-14
GROUP C - INSULATOR, BUSHING	B-15 through B-31
GROUP D - INSULATOR, CLEAT	B-32 and B-33
GROUP E - INSULATOR, DISK	B-34 through B-39
GROUP F - INSULATOR, FEEDTHRU	B-40 through B-48
GROUP G - INSULATOR, KNOB	B-49 and B-50
GROUP H - INSULATOR, PIN	B-51 through B-53
GROUP J - INSULATOR, PINCAP	B-54 and B-55
GROUP K - INSULATOR, PLATE	B-56 through B-77
GROUP L - INSULATOR, SPREADER	B-78 and B-79
GROUP M - INSULATOR, STANDOFF	B-80 through B-95
GROUP N - INSULATOR, STRAIN	B-96 through B-109
GROUP P - INSULATOR, SUSPENSION	B-110 and B-111
GROUP Q - INSULATOR, WASHER	B-112 and B-113

NOTES AND INSTRUCTIONS

1. ABBREVIATIONS USED:

c	- centerline
CBORE	- counterbore
CSK	- countersink
DIA	- diameter
MAX	- maximum
MIN	- minimum
THD	- thread
TYP	- typical (same dimension applies to obviously similar features shown elsewhere on drawing)

2. NOTES:

a. See paragraph 4 of General Informaton in this FIIG for special instructions concerning linear measurements.

b. Angular measurements will be entered to the nearest tenth of a degree.

c. A reply must be given for all dimensional legends of the style selected in reply to Primary Address Code STYL.

d. The reference drawings contained in Appendix B reflect basic configurations and are not restricted to an exact scale. Unless otherwise noted on the reference drawing, items to be described need not have features in the same size relationship (proportion) to each other as those shown (i.e., lengths, widths, diameters, heights of individual features may be lesser or greater than shown). An item may include mounting and/or conductor attaching hardware not shown in the reference drawing.

e. Unless otherwise indicated, mounting and conductor attaching hardware, nuts, flat washers, and lock washers, are included on drawings for reference only. Actual quantity and type of hardware furnished is covered by PAC TMQY in Section III.

f. Unless otherwise specified by a dimension or note on the illustration, items may have rounded or squared corners and edges.

g. When style selected is referenced to another style. (e.g., SAME AS STYLE 18 EXCEPT FOR SHIELD) legends on both styles are to be utilized to record dimensional data.

APPENDIX B

REFERENCE DRAWING GROUP A

INSULATOR, BEAD

INDEX OF PRIMARY ADDRESS CODES

Enter the applicable reply codes from the tables below, followed by the numeric value. (e.g., ABKVJAA1.250*) For expressing minimum and maximum values, use AND coding ($$), entering the minimum value first. (e.g., ABKVJAB1.245$$JAC1.255*)

For fraction to decimal conversion to three decimal places, see Appendix C, Table 1.

Table 1

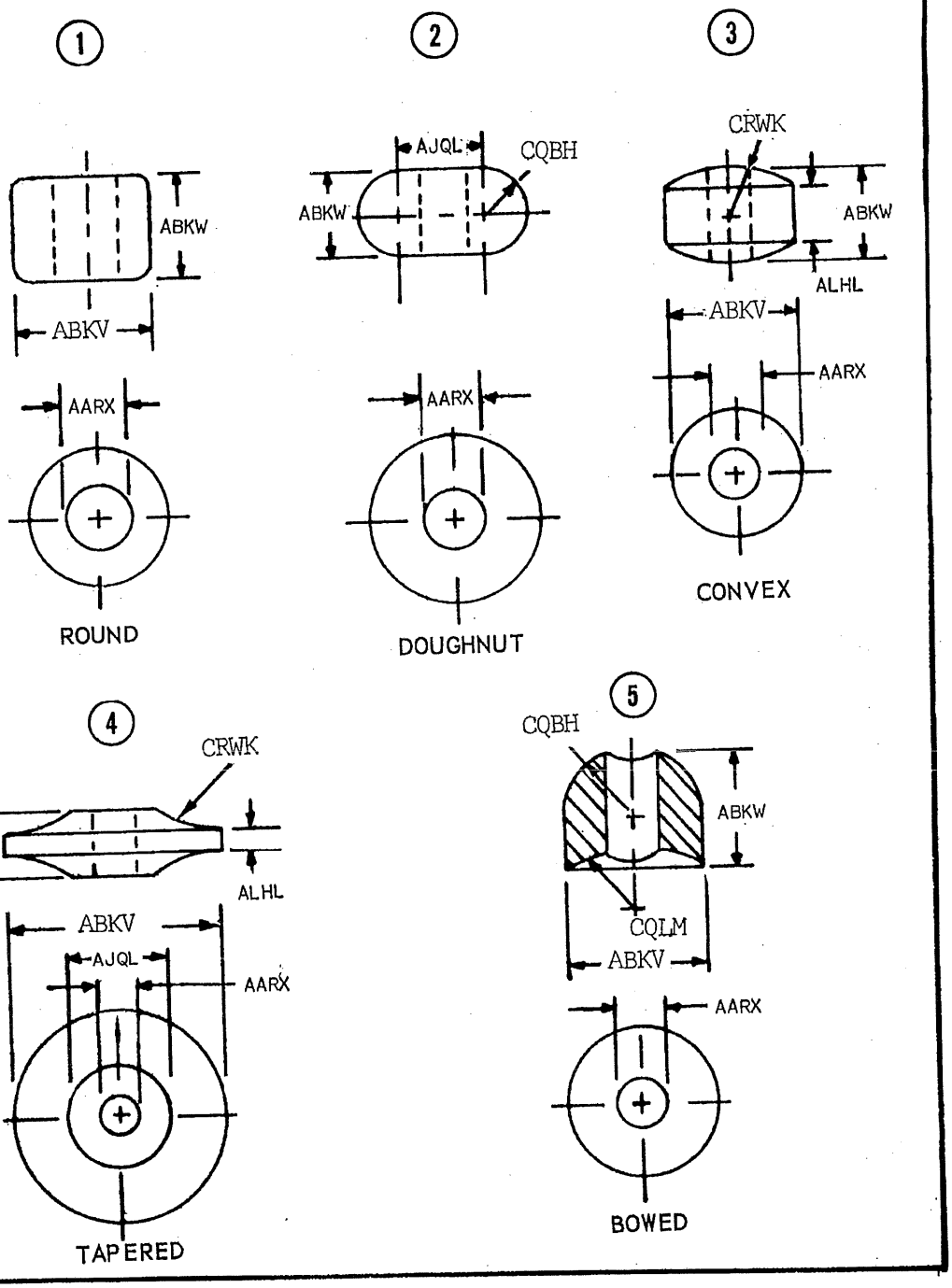
REPLY CODE	REPLY
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY
A	NOMINAL
B	MINIMUM
C	MAXIMUM

PAC	MODE CODE	Name of Dimension
AARX	J	INSIDE DIAMETER
ABKV	J	OUTSIDE DIAMETER
ABKW	J	OVERALL HEIGHT
AJQL	J	TOP DIAMETER
ALHL	J	SIDE LENGTH
CQBH	J	FIRST END RADIUS
CQLM	J	SECOND END RADIUS
CRWK	J	FIRST SIDE RADIUS

INSULATOR, BEAD



APPENDIX B

REFERENCE DRAWING GROUP D

INSULATOR, CLEAT

INDEX OF PRIMARY ADDRESS CODES

Enter the applicable reply codes from the tables below followed by the numeric value to three decimal places. (e.g., ABHPJAA1.250*) For expressing minimum and maximum values, use AND coding ($$), entering the minimum value first. (e.g., ABHPJAB1.245$$JAC1.255*) For fraction to decimal conversion to three decimal places, see Appendix C, Table 1.

Table 1

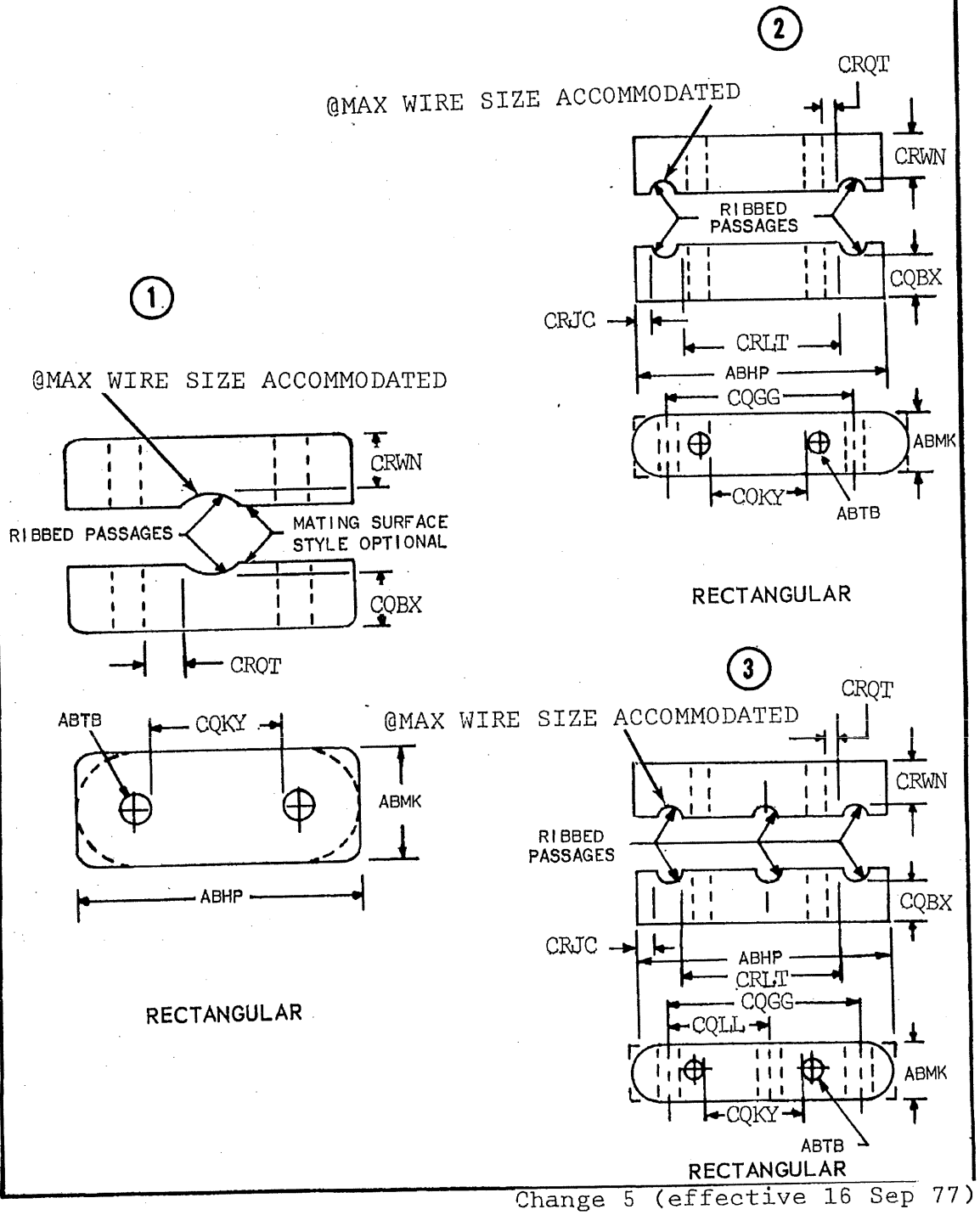
REPLY CODE	REPLY
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY
A	NOMINAL
B	MINIMUM
C	MAXIMUM

PAC	Mode MODE	Name of Dimension
ABHP	J	OVERALL LENGTH
ABMK	J	OVERALL WIDTH
ABTB	J	MOUNTING HOLE DIAMETER
CQBX	J	SECOND DISTANCE FROM CONDUCTOR SLOT TO OPPOSITE SURFACE
CQGG	J	FIRST DISTANCE BETWEEN CONDUCTOR GROOVES
CQKY	J	FIRST MOUNTING HOLE SPACING
CQLL	J	SECOND DISTANCE BETWEEN CONDUCTOR GROOVES
CRJC	J	FIRST DISTANCE FROM CONDUCTOR GROOVE TO INSULATOR END
CRLT	J	CONDUCTOR SEPARATION DISTANCE
CRQT	J	DISTANCE BETWEEN CONDUCTOR GROOVE AND MOUNTING HOLE
CRWN	J	FIRST DISTANCE FROM CONDUCTOR SLOT TO OPPOSITE SURFACE

INSULATOR, CLEAT



APPENDIX B

REFERENCE DRAWING GROUP H

INSULATOR, PIN

INDEX OF PRIMARY ADDRESS CODES

Enter the applicable reply codes from the tables below, followed by the numeric value to three decimal places. (e.g., ABKVJAA1.25Ø*) For expressing minimum and maximum values, use AND coding ($$), entering the minimum value first. (e.g., A?KVJAB1.245$$JAC1.255*) For fraction to decimal conversion to three decimal places, see Appendix C, Table 1.

Table 1

REPLY CODE	REPLY
A	INCHES
L	MILLIMETERS

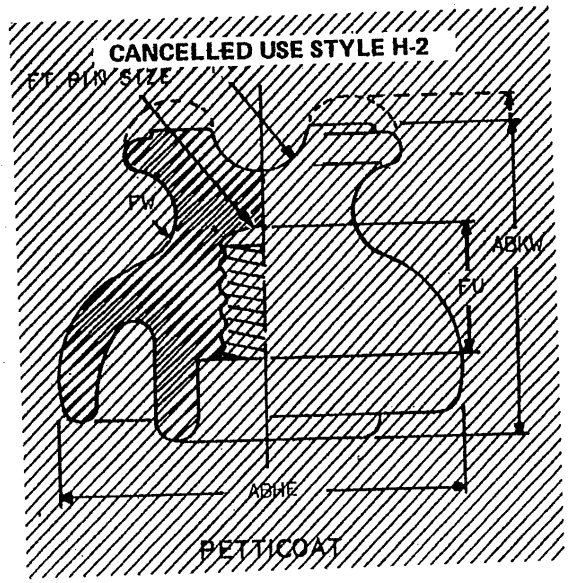
Table 2

REPLY CODE	REPLY
A	NOMINAL
B	MINIMUM
C	MAXIMUM

PAC	Mode CODE	Name of Dimension
ABKV	J	OUTSIDE DIAMETER
ABKW	J	OVERALL HEIGHT
ACXU	J	PIN HOLE DIAMETER
ANTS	J	RADIAL GROOVE RADIUS
CQBT	J	PIN HOLE DEPTH
CQDG	J	SKIRT LENGTH
CQLL	J	SECOND DISTANCE BETWEEN CONDUCTOR GROOVES
CRFW	J	FIRST RADIAL GROOVE WIDTH
CRLT	J	CONDUCTOR SEPARATION DISTANCE
CRWC	J	TOP WIRE GROOVE RADIUS
CSBB	J	RADIAL GROOVE DIAMETER
CSCM	J	SECOND RADIAL GROOVE WIDTH

INSULATOR, PIN

1



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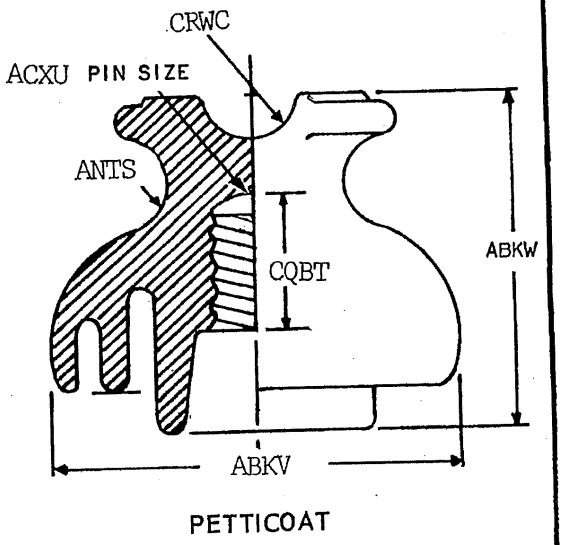

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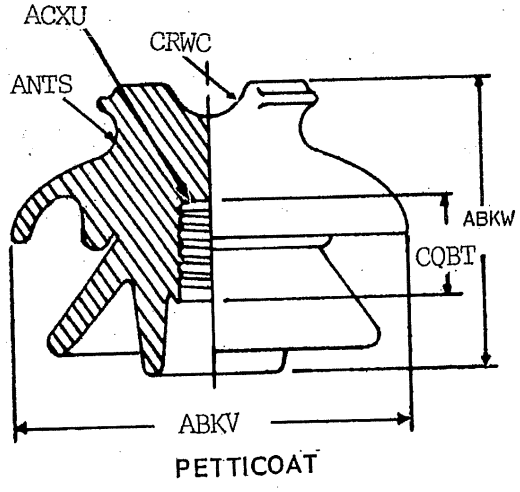

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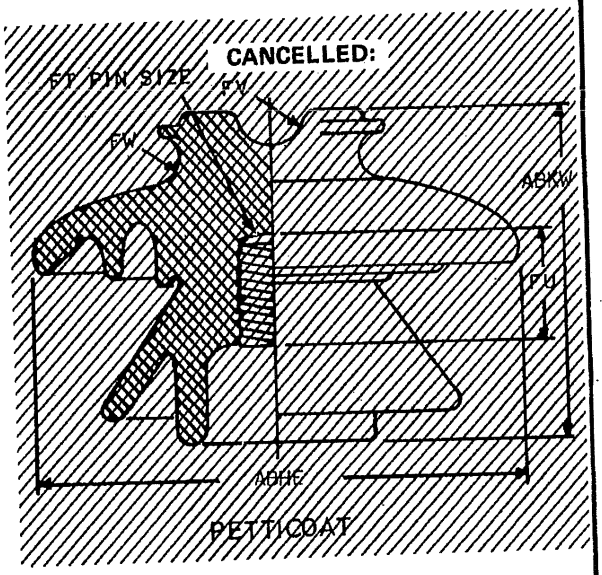
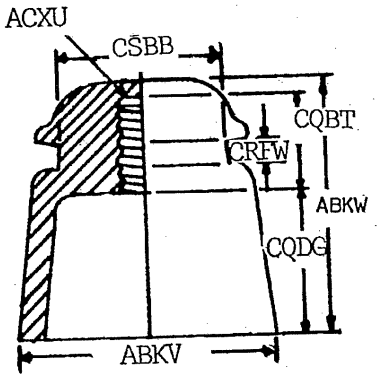


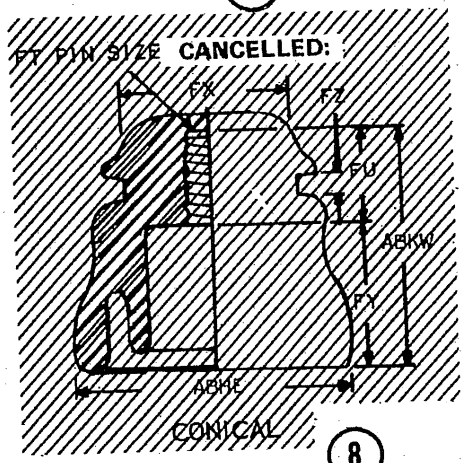
INSULATOR, PIN

5



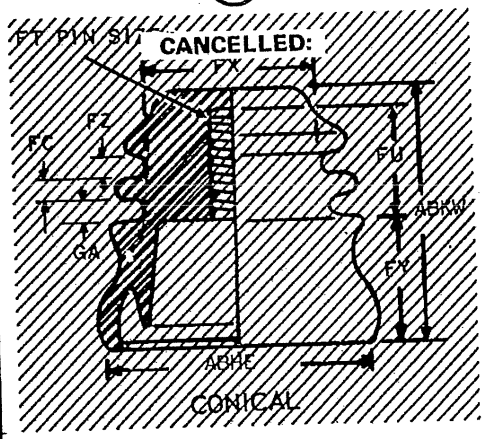
CONICAL

6



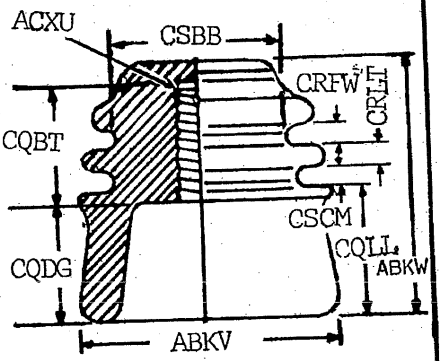
CONICAL

7



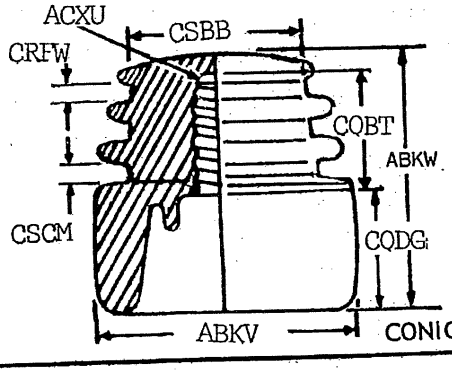
CONICAL

8



CONICAL

9



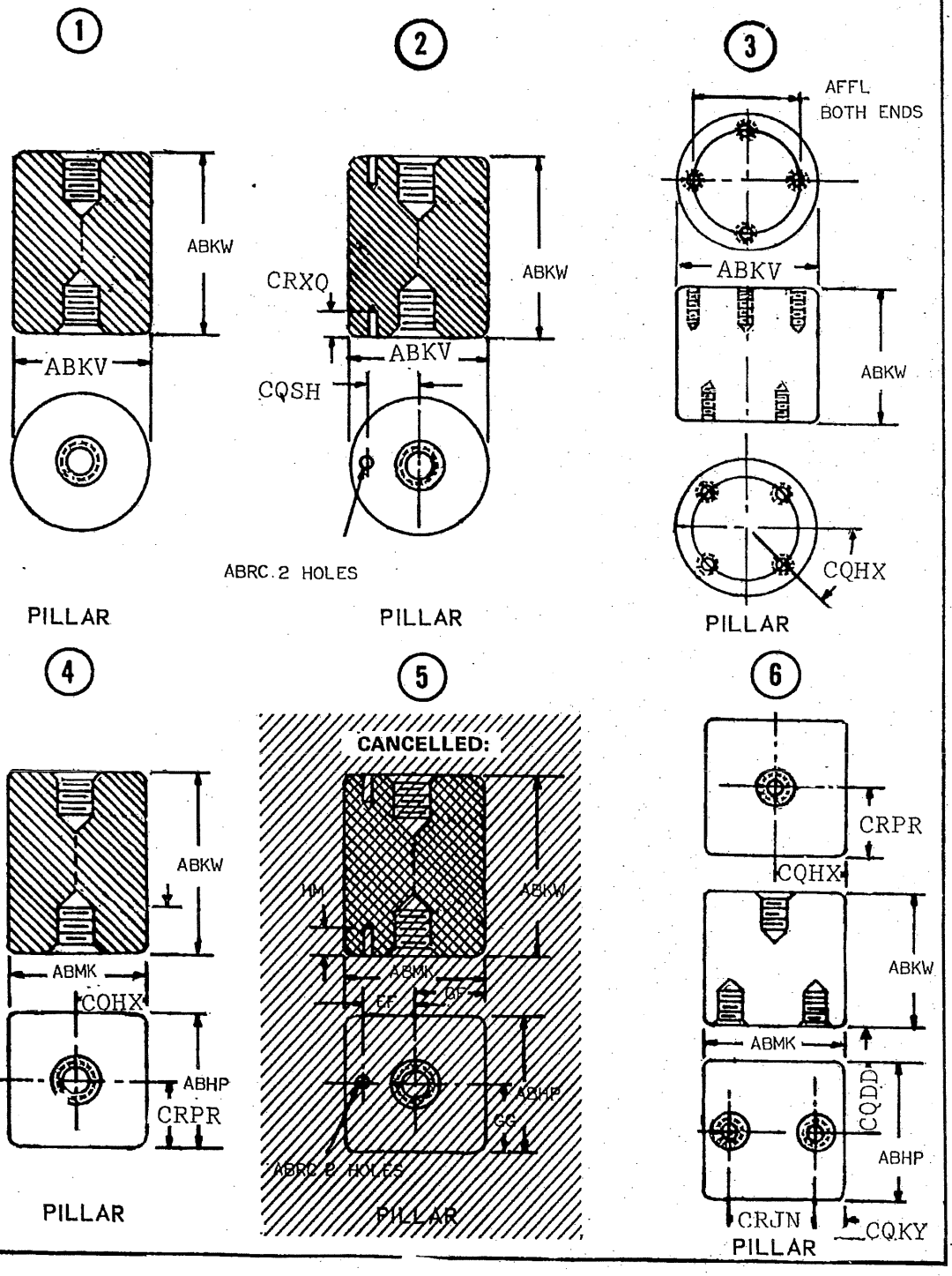
CONICAL

REFERENCE DRAWING GROUP M (continued)

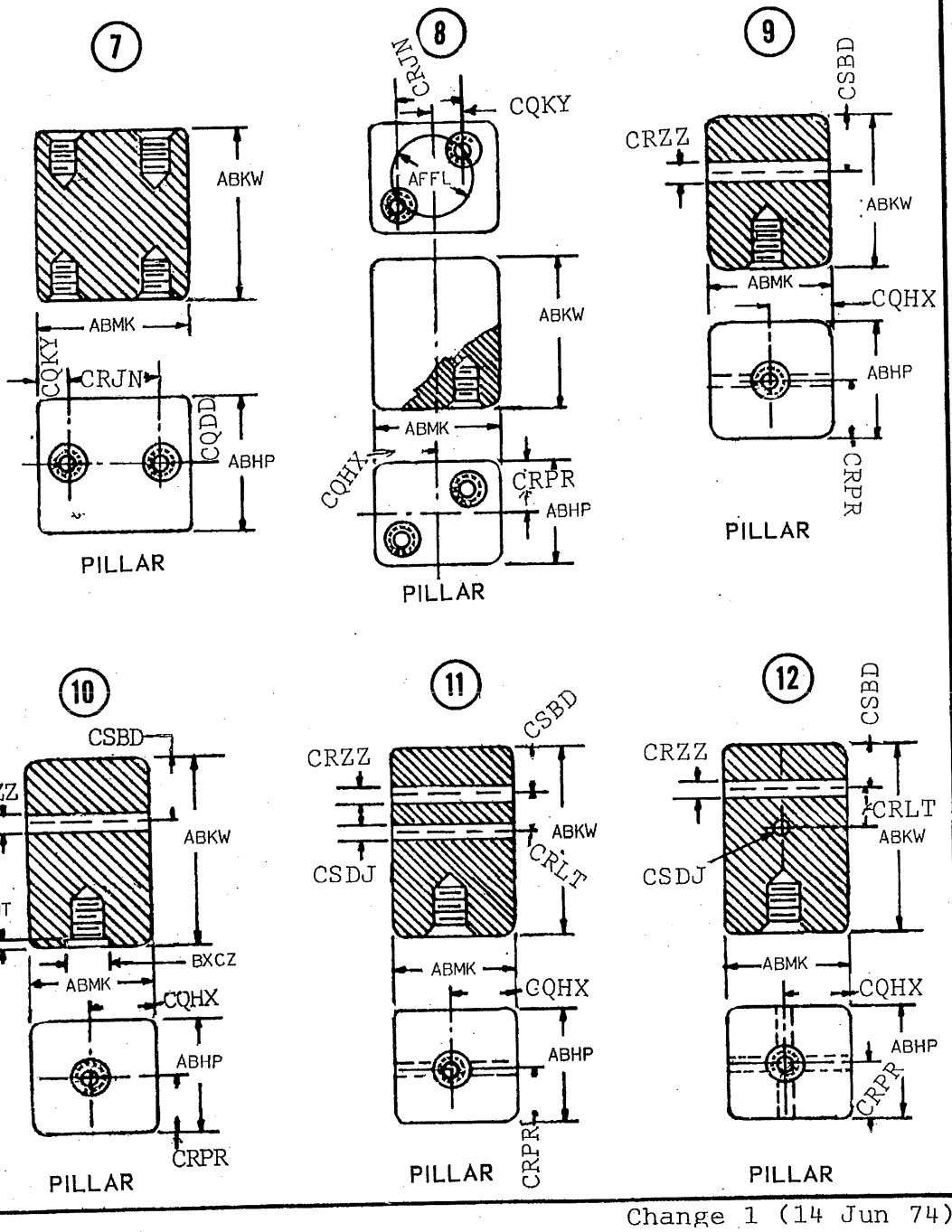
PAC	Mode Code	Name of Dimension
CQBH	J	FIRST END RADIUS
CQCL	J	INSERT FLANGE THICKNESS
CQDD	J	THIRD MOUNTING HOLE SPACING
CQDL	J	FOURTH HOLE SPACING
CQDN	J	FIRST SLOT WIDTH
CQFS	J	FIRST CAP HEIGHT
CQHX	J	FIRST CENTER DISTANCE
CQKY	J	FIRST MOUNTING HOLE SPACING
CQLF	J	GASKET THICKNESS
CQSH	J	FIRST HOLE SPACING
CRGB	J	FOURTH MOUNTING HOLE SPACING
CRJL	J	SECOND CAP HEIGHT
CRJN	J	SECOND MOUNTING HOLE SPACING
CRKC	J	CORNER CUT LENGTH
CRKY	J	SECOND HOLE SPACING
CRLT	J	CONDUCTOR SEPARATION DISTANCE
CRPR	J	SECOND CENTER DISTANCE
CRTB	J	THIRD HOLE SPACING
CRXQ	J	NONTURN FEATURE HOLE DEPTH
CRYZ	J	FIRST SLOT DEPTH
CRZZ	J	WIRE HOLE DIAMETER
CSBD	J	FIRST DISTANCE FROM CONDUCTOR HOLE TO INSULATOR END
CSBN	J	CORNER CUT WIDTH
CSBZ	J	TOP HOLE DEPTH
CSDJ	J	SECOND WIRE HOLE DIAMETER

NOTE: IN REFERENCE DRAWING GROUP M, STYLES 14 AND 15 THE OPTIONAL SHAPE CANNOT BE SELECTED IF THE CYLINDRICAL SIDES EXCEED 25 PERCENT OF DIMENSIONAL PAC ABKW.

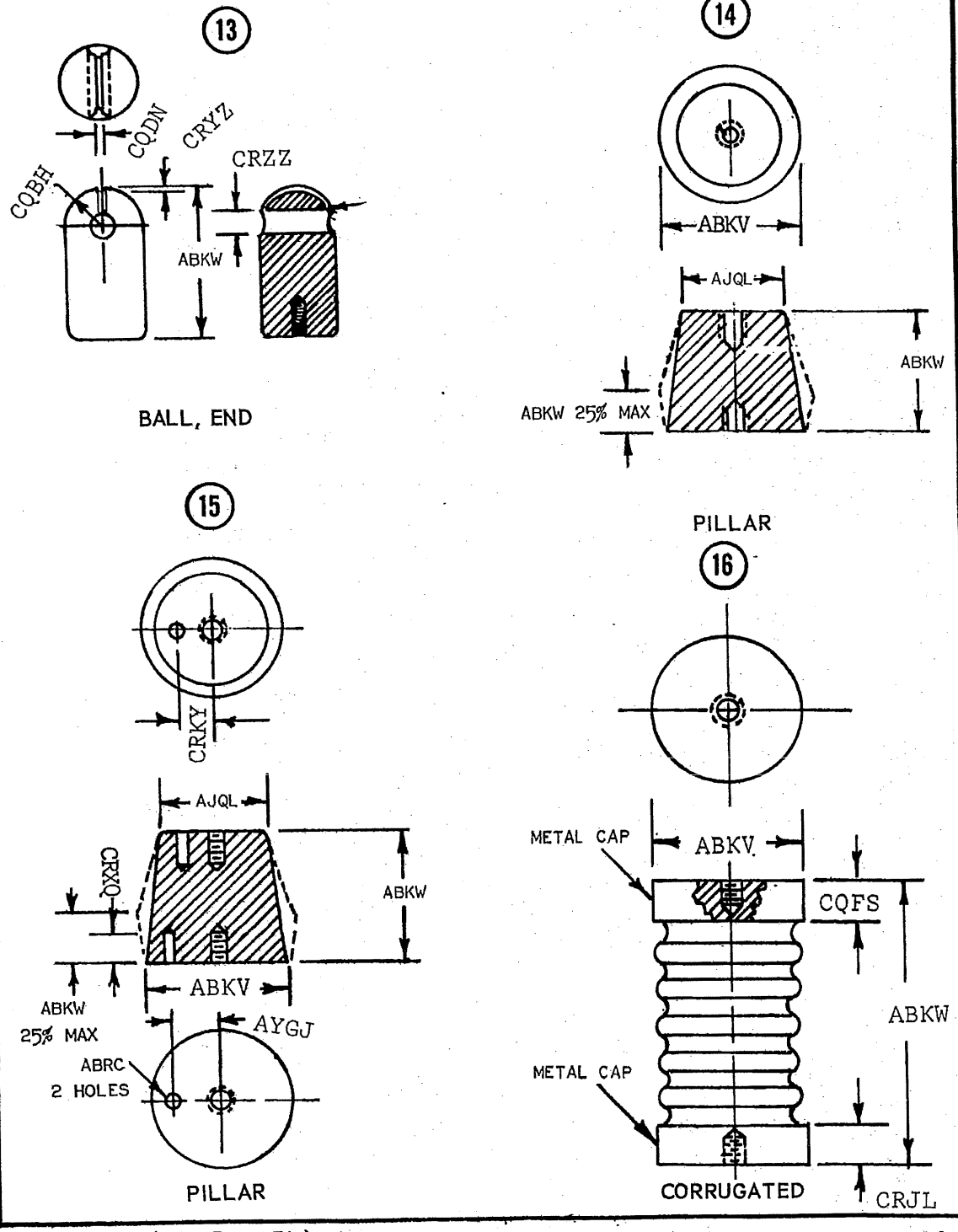
INSULATOR, STANDOFF



INSULATOR, STANDOFF



INSULATOR, STANDOFF



INSULATOR, STANDOFF

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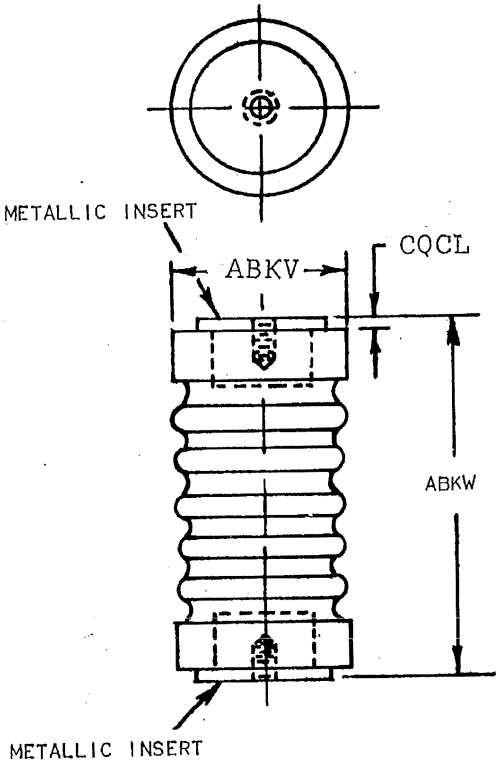
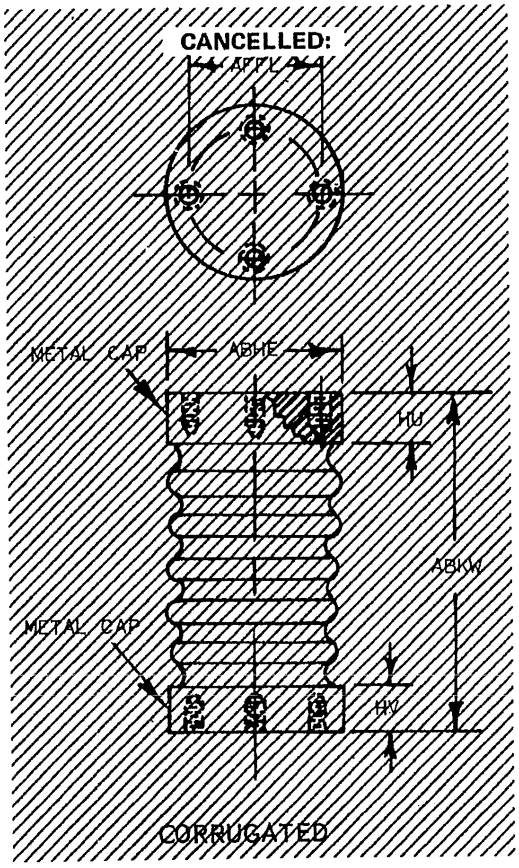


CORRUGATED

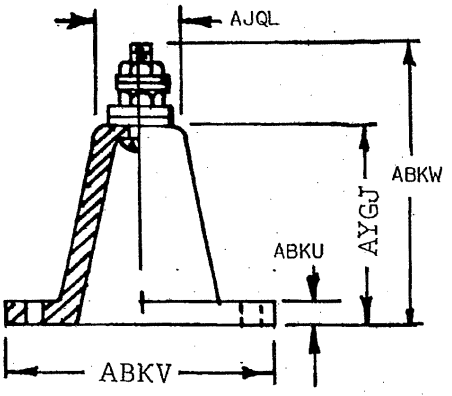
(18)

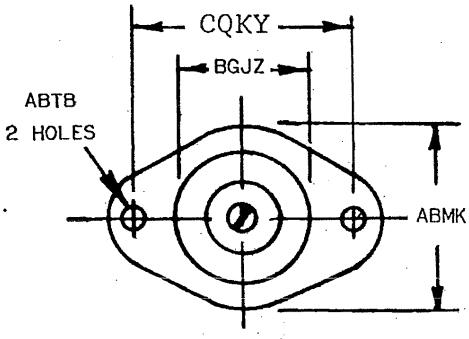


CORRUGATED

INSULATOR, STANDOFF

(19)





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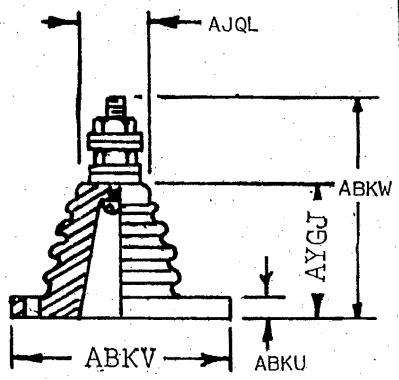
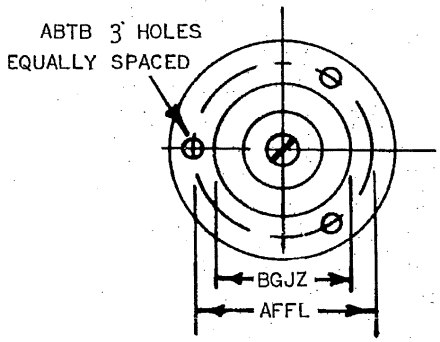
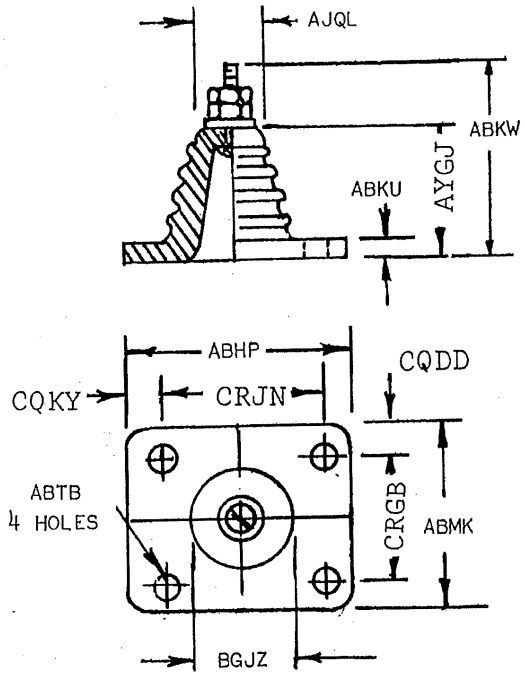




CONICAL, BEEHIVE

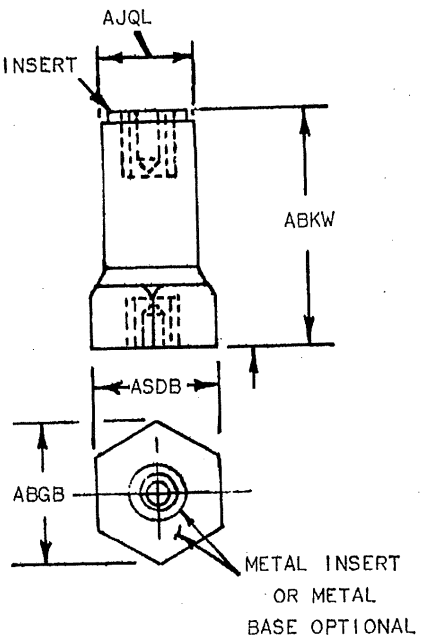
INSULATOR, STANDOFF

(21)



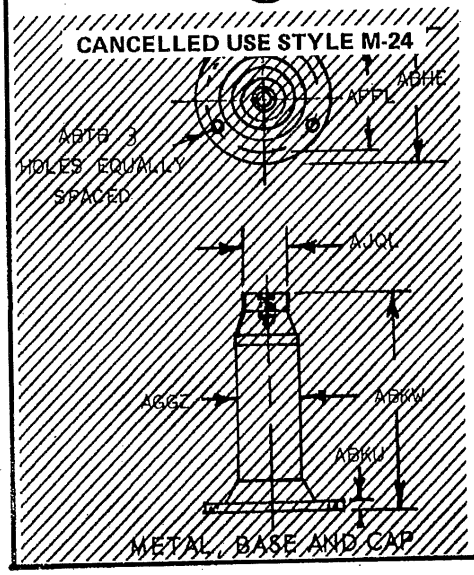
BEEHIVE, FLANGED

(22)



METAL, BASE AND CAP

(23)



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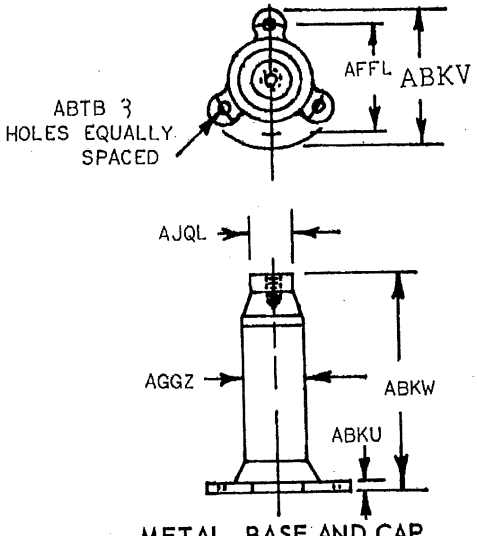
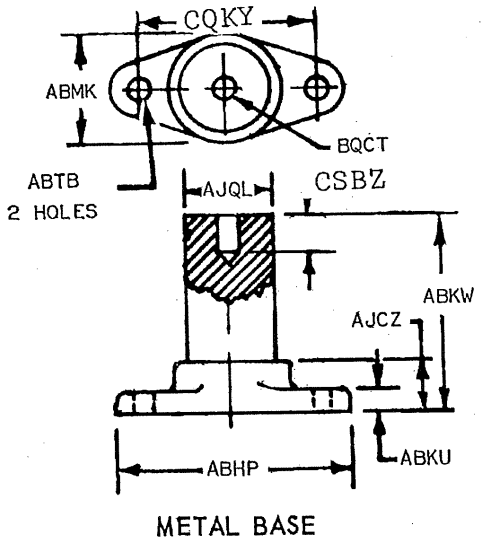


METAL, BASE AND CAP

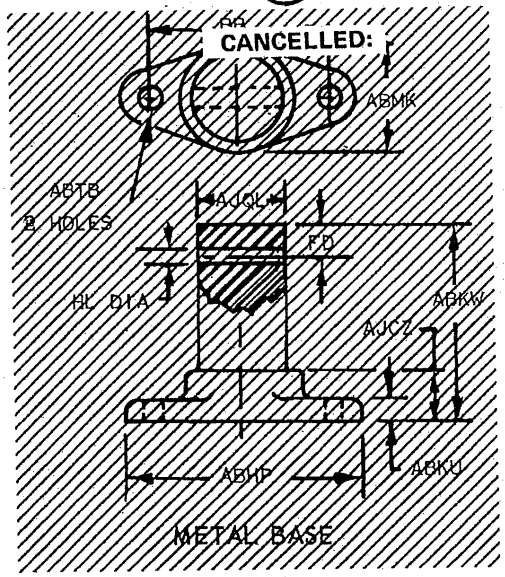
INSULATOR, STANDOFF

25



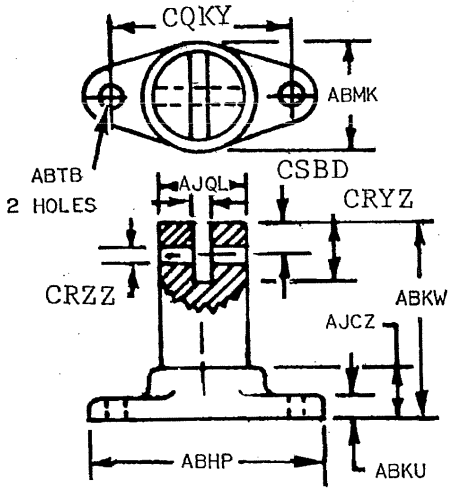
METAL BASE

26



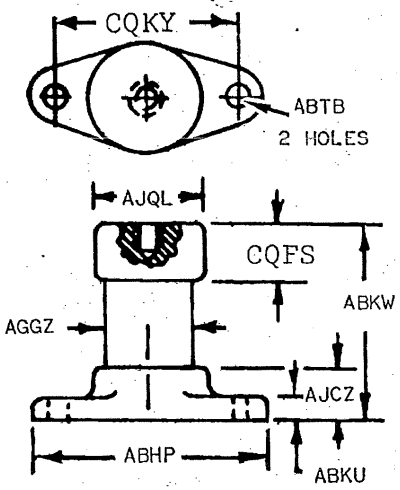
METAL BASE

27



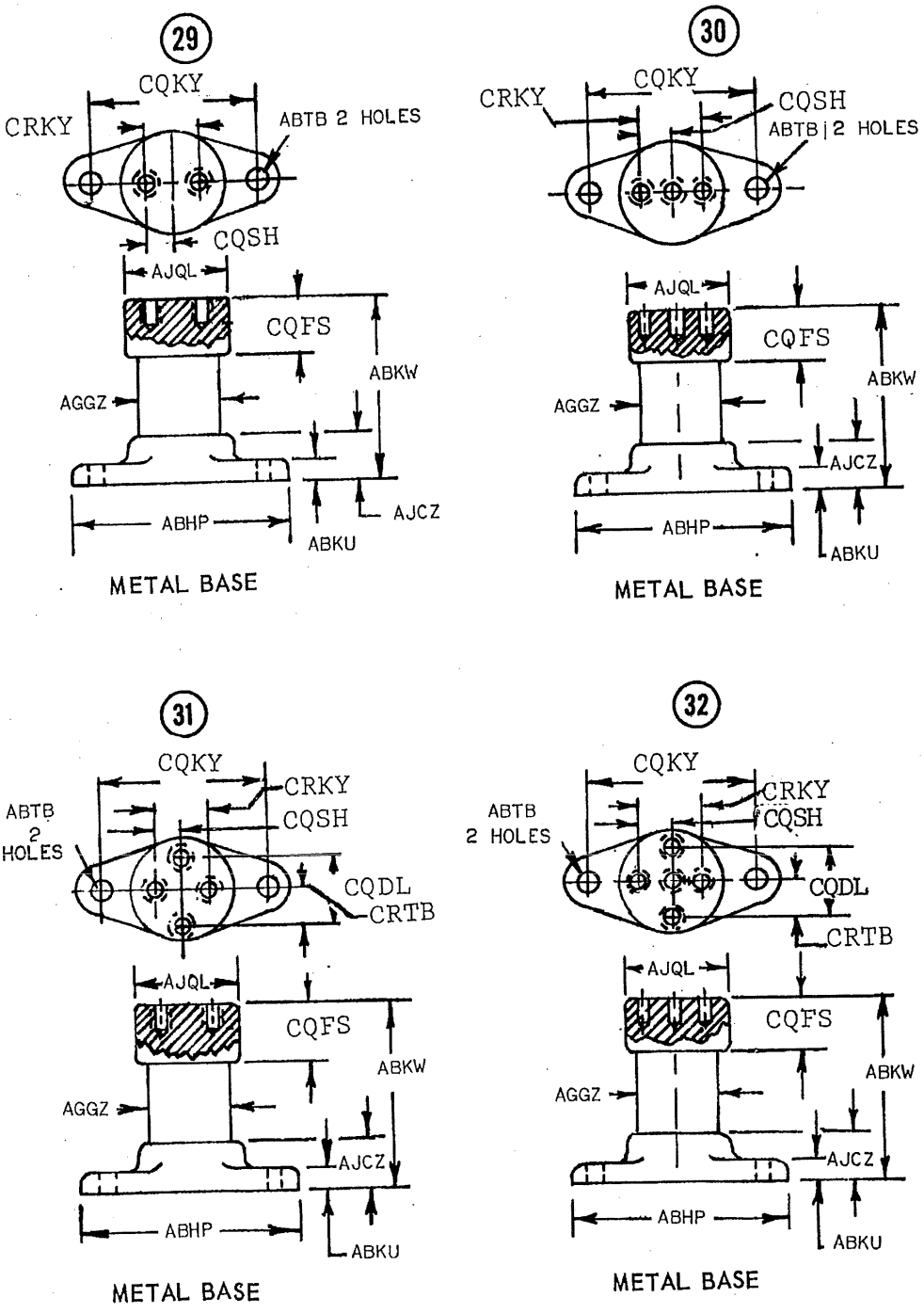
METAL BASE

28

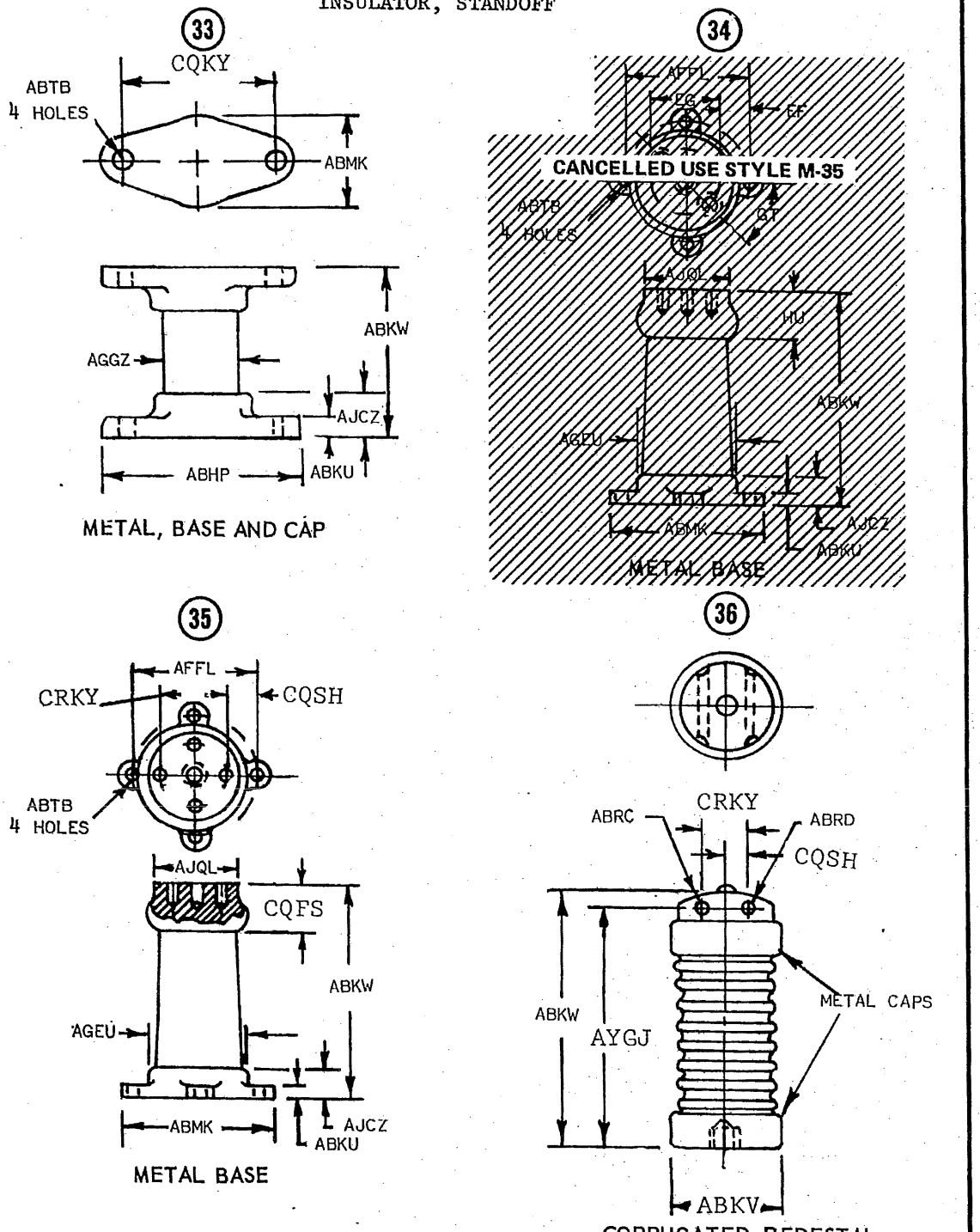


METAL BASE

INSULATOR, STANDOFF

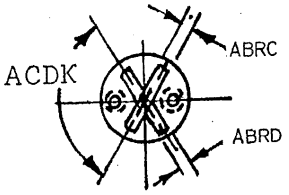


INSULATOR, STANDOFF

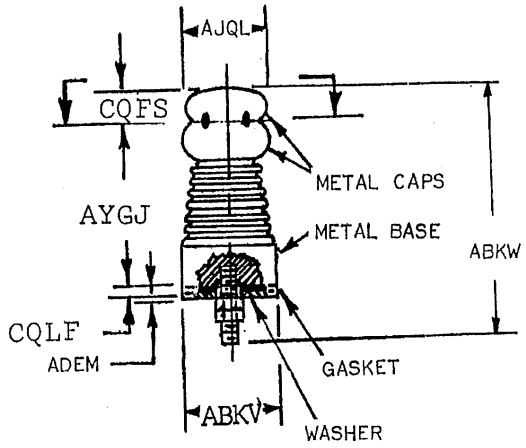


INSULATOR, STANDOFF

(37)

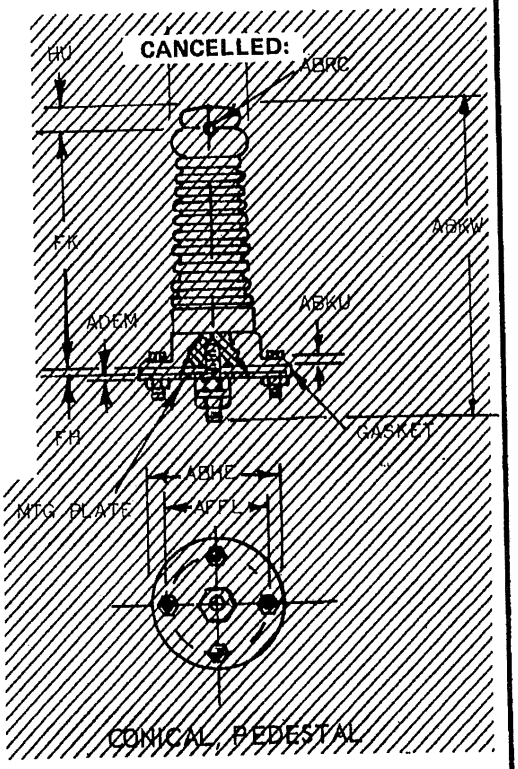


VIEW A-A



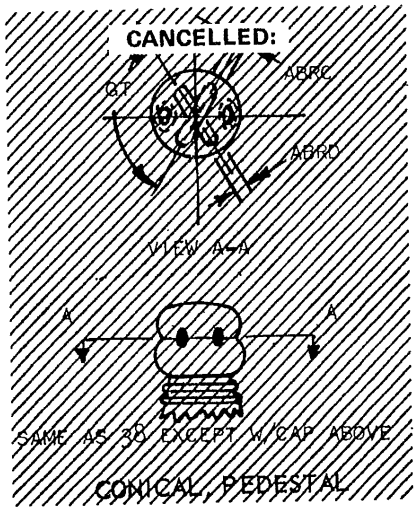
CONICAL, PEDESTAL

(38)



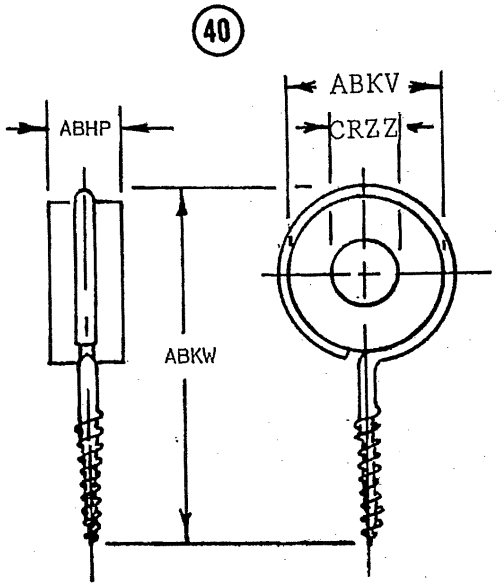
CONICAL, PEDESTAL

(39)

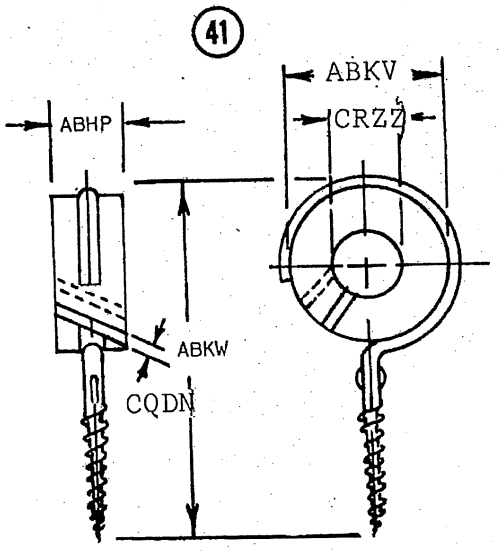


CONICAL, PEDESTAL

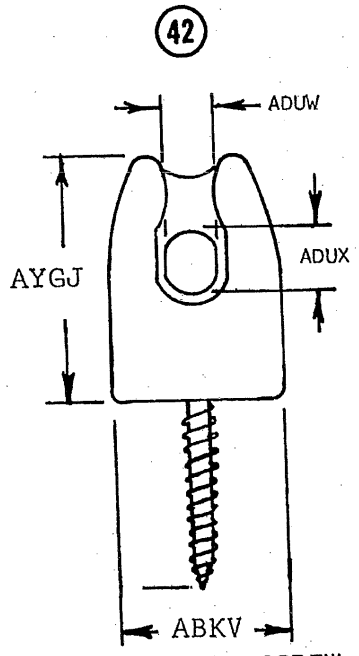
INSULATOR, STANDOFF



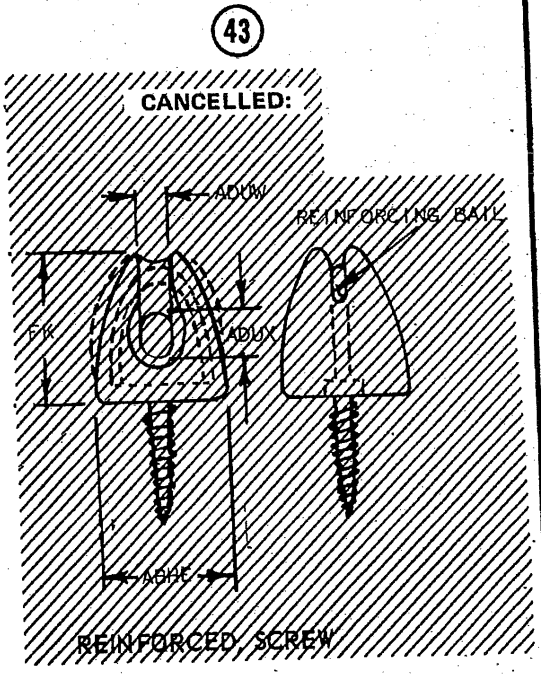
SCREW EYE



SCREW EYE



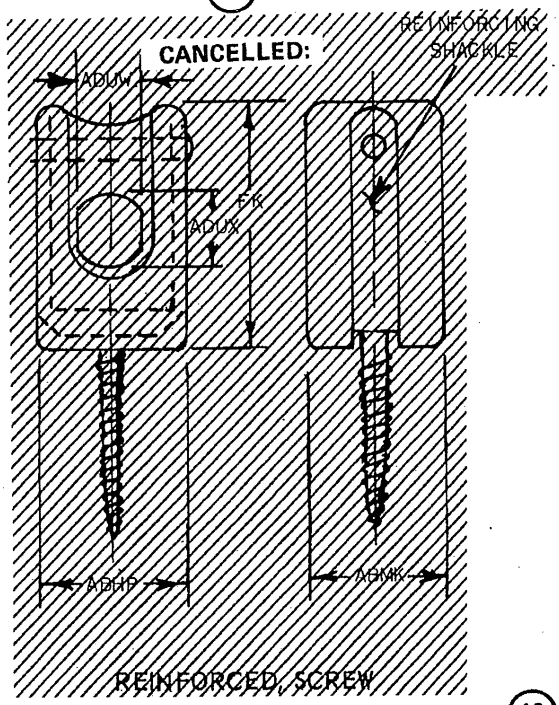
REINFORCED, SCREW



REINFORCED, SCREW

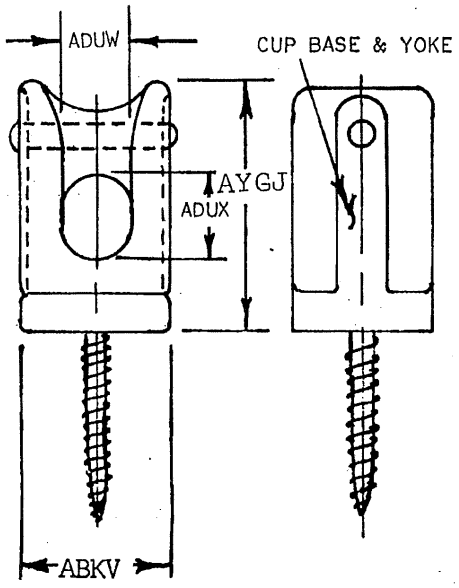
INSULATOR, STANDOFF

(44)



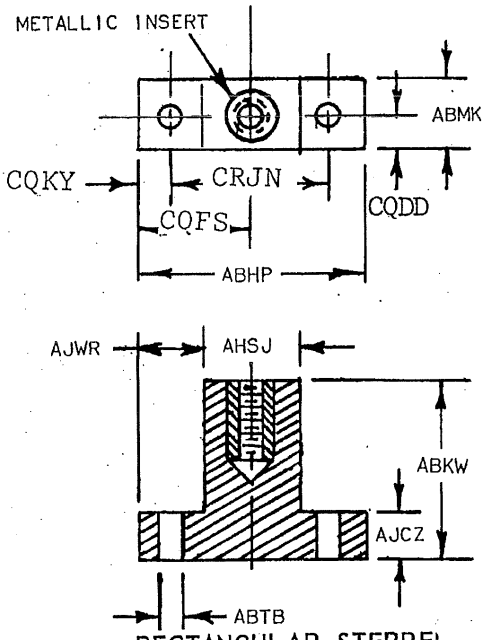
REINFORCED, SCREW

(45)



REINFORCED, SCREW

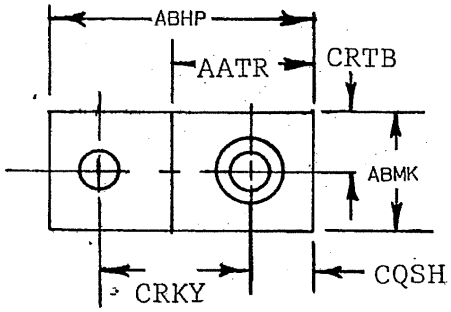
(46)

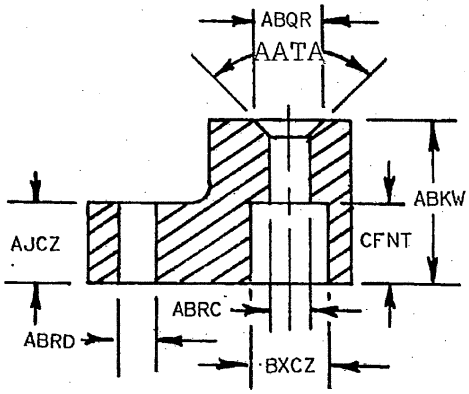


RECTANGULAR, STEPPED

INSULATOR, STANDOFF

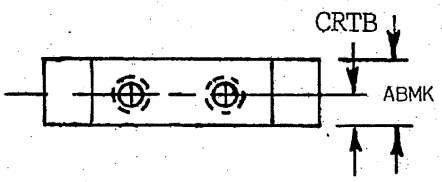
(47)

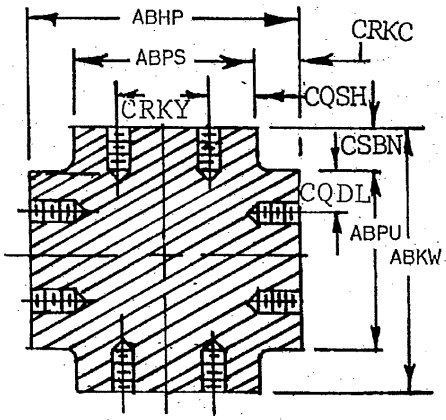




RECTANGULAR, STEPPED

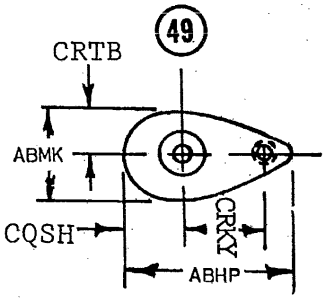
(48)

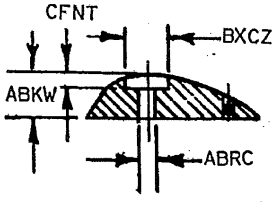




CROSS SHAPED

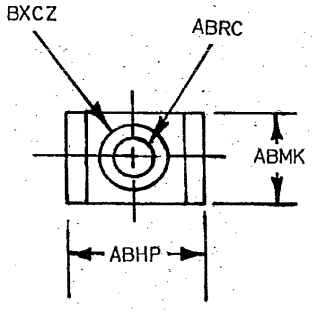
(49)

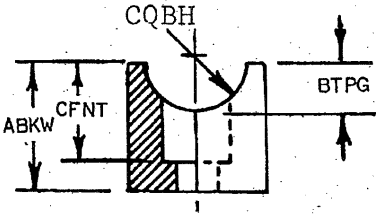




STREAMLINED

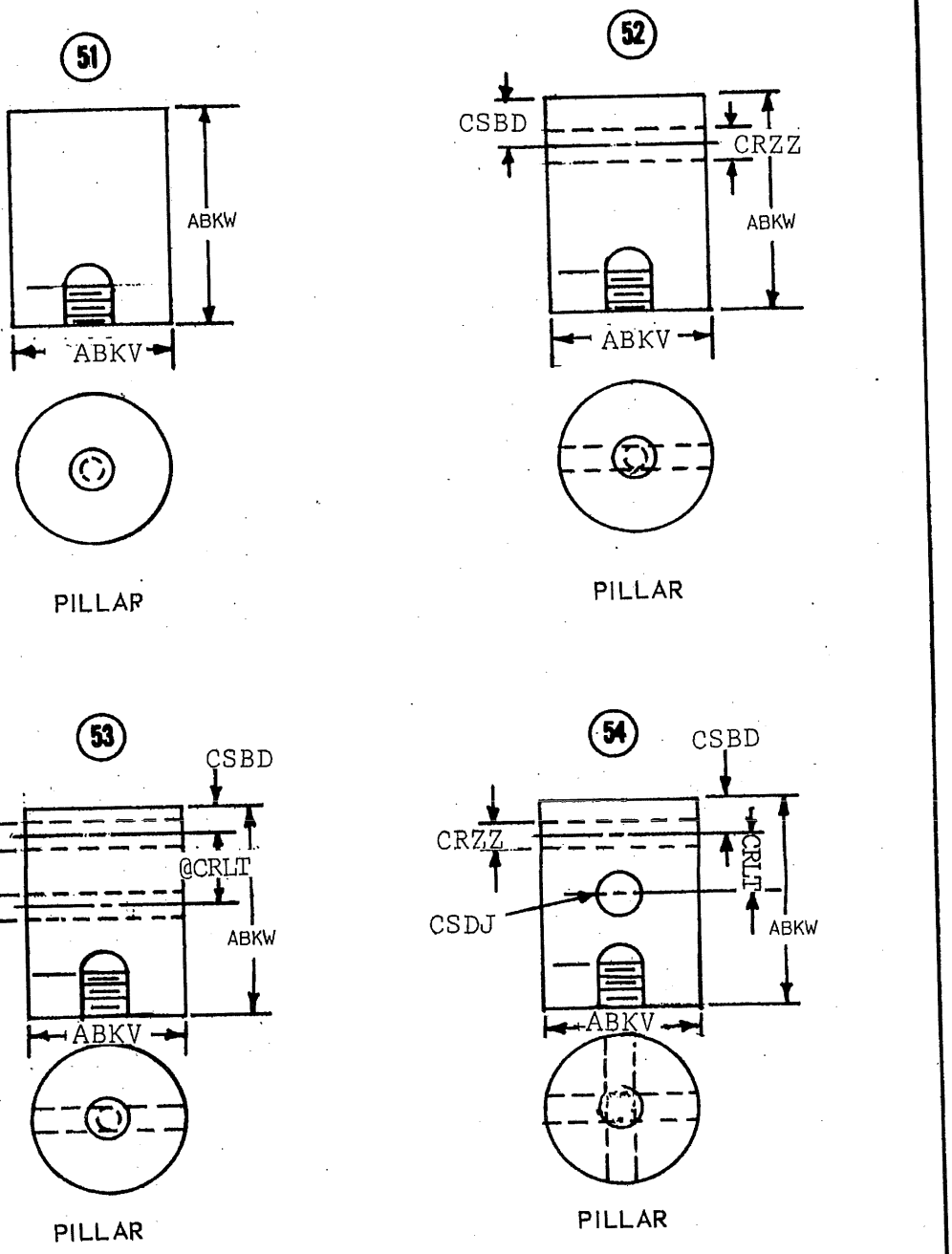
(50)





CONCAVED

INSULATOR STANDOFF



APPENDIX B

REFERENCE DRAWING GROUP Q

INSULATOR, WASHER

For B Mode Code replies enter the numeric value to one decimal place. (e.g., ATTEB15.0*). For J Mode Code replies, enter the applicable reply codes from the tables below, followed by the numeric value to three decimal places. (e.g., ABKVJAA1.250*). For expressing minimum and maximum values, use AND coding ($$), entering the minimum value first. (e.g., ABKVJAB1.245$$JAC1.255*) For fraction to decimal conversion to three decimal places, see Appendix C, Table 1.

Table 1

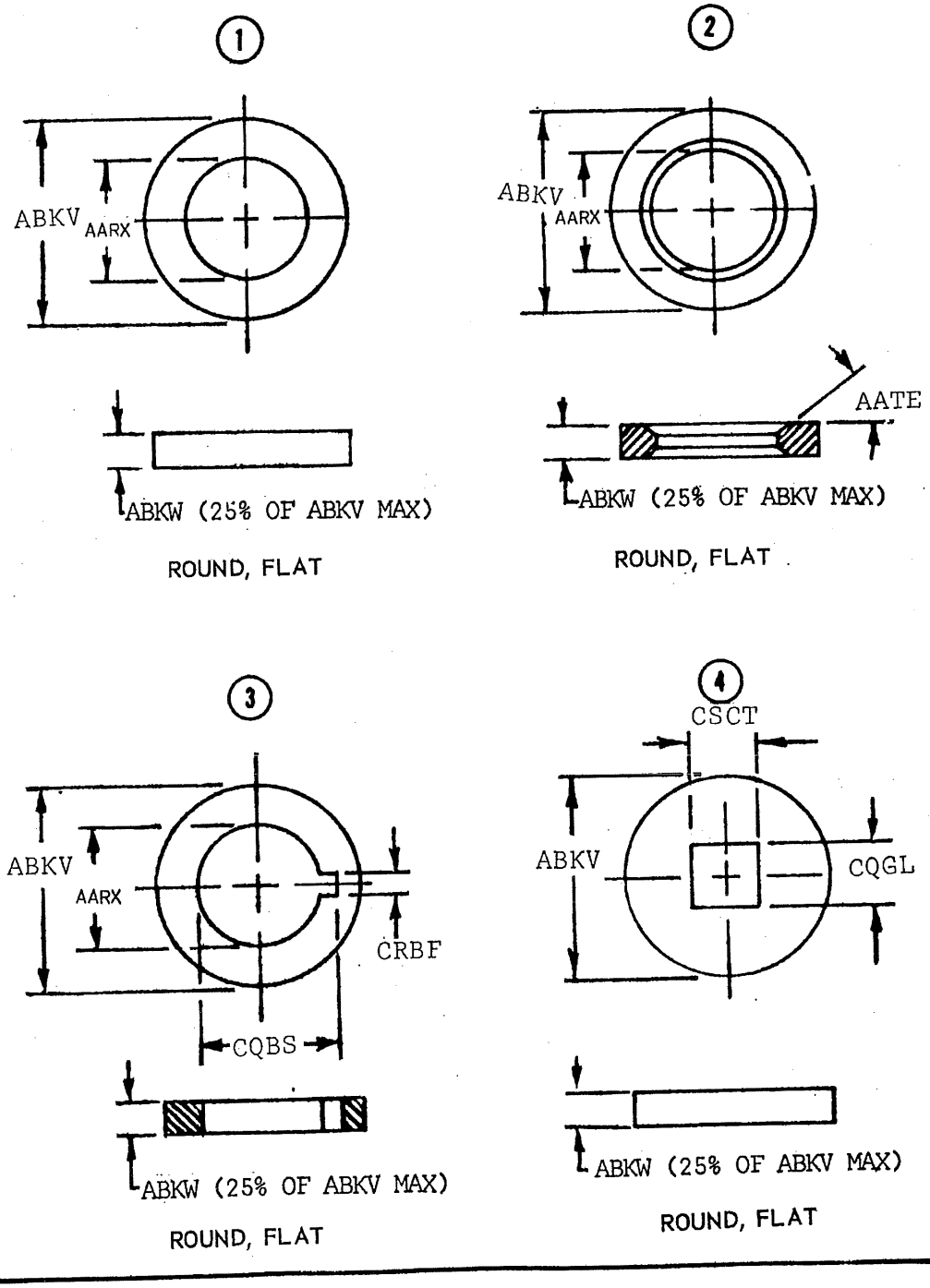
REPLY CODE	REPLY
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Pac	Mode Code	Name of Dimension
AARX	J	INSIDE DIAMETER
AATE	B	CHAMFER ANGLE IN DEG
ABKV	J	OUTSIDE DIAMETER
ABKW	J	OVERALL HEIGHT
CQBS	J	FIRST KEY WIDTH
CQGL	J	FIRST HOLE LENGTH
CRBF	J	FIRST KEY THICKNESS
CSCT	J	FIRST HOLE WIDTH

INSULATOR, WASHER



INDEX TO APPENDIX C

	Page No.
Table 1 - STANDARD FRACTION TO DECIMAL CONVERSION CHART	C-2
Table 2 - CONDUCTOR SIZE CONVERSION CHART	C-3 through C-11
Table 3 - OUNCE TO DECIMAL OF A POUND CONVERSION CHART	C-12
Table 4 - UNIFIED SCREW THREADS (including special threads)	C-13 through C-23
Table 5 - SCREW THREAD SERIES DEFINITIONS	C-24
Table 6 - ISO SI (METRIC) SCREW THREADS	C-25
Table 7 - WOOD SCREW CHART	C-26
Table 8 - UNIT OF MASS CONVERSION TABLE	C-27
Table 9 - UNIT OF MEASURE CONVERSION TABLE	C-28

FIIG A007A
APPENDIX C

CONDUCTOR SIZE CONVERSION CHART

Table 2

CONDUCTORS	COPPER		ALUMINUM		A.C.S.R.		
Diameter (inch)	Cable Size A.W.G. Or C.M.	Stranding	Cable Size A.W.G. Or C.M.	Stranding	Cable Size A.W.G. Or C.M.	Stranding Alum.	Stranding St.
.0253	22	Sol.	--	--	--	--	--
.0285	21	Sol.	--	--	--	--	--
.0320	20	Sol.	--	--	--	--	--
.0365	20	19	--	--	--	--	--
.0359	19	Sol.	--	--	--	--	--
.0403	18	Sol.	--	--	--	--	--
.0460	18	19	--	--	--	--	--
.0453	17	Sol.	--	--	--	--	--
.0508	16	Sol.	--	--	--	--	--
.0585	16	19	--	--	--	--	--
.0571	15	Sol.	--	--	--	--	--
.0641	14	Sol.	--	--	--	--	--
.0735	14	19	--	--	--	--	--
.0720	13	Sol.	--	--	--	--	--
.0808	12	Sol.	12	Sol.	--	--	--
.0925	12	19	--	--	--	--	--
.0907	11	Sol.	11	Sol.	--	--	--
.1019	10	Sol.	10	Sol.	--	--	--
.117	10	19	--	--	--	--	--
.1144	9	Sol.	9	Sol.	--	--	--
.131	9	19	--	--	--	--	--
.128	8	Sol.	8	Sol.	--	--	--
.146	8	7	--	--	--	--	--
.158	--	--	--	--	8	6	1
.162	6	Sol.	6	Sol.	--	--	--
.184	6	7	6	7	--	--	--
.198	--	--	--	--	6	6	1
.204	4	Sol.	4	Sol.	--	--	--
.232	4	7	4	7	--	--	--
.250	--	--	--	--	4	6	1

Table 2 (continued)

CONDUCTORS	COPPER		ALUMINUM		A.C.S.R.		
Diameter (inch)	Cable Size A.W.G. Or C.M.	Stranding	Cable Size A.W.G. Or C.M.	Stranding	Cable Size A.W.G. Or C.M.	Stranding Alum.	Stranding St.
.257	--	--	--	--	4	7	1
.258	2	Sol.	2	Sol.	--	--	--
.289	1	Sol.	--	--	--	--	--
.292	2	7	2	7	--	--	--
.316	--	--	--	--	2	6	1
.325	0	Sol.	--	--	2	7	1
.328	1	7	1	7	--	--	--
.332	1	19	1	19	--	--	--
.355	--	--	--	--	1	6	1
.365	00	Sol.	--	--	--	--	--
.368	0	7	0	7	--	--	--
.373	0	19	0	19	--	--	--
.398	--	--	--	--	0	6	1
.410	000	Sol.	--	--	--	--	--
.414	00	7	00	7	--	--	--
.418	00	19	00	19	--	--	--
.447	--	--	--	--	00	6	1
.460	0000	Sol.	--	--	--	--	--
.464	000	7	000	7	--	--	--
.470	000	19	000	19	--	--	--
.502	--	--	--	--	000	6	1
.522	0000	7	0000	7	--	--	--
.528	0000	19	0000	19	--	--	--
.563	--	--	--	--	0000	6	1
.574	250,000	19	--	--	--	--	--
.575	250,000	37	250,000	37	--	--	--
.586	--	--	266,800	7	--	--	--
.593	--	--	266,800	19	--	--	--
.609	--	--	--	--	266,800	18	1
.629	300,000	19	300,000	37	--	--	--
.630	300,000	37	--	--	--	--	--
.633	--	--	--	--	266,800	6	7
.642	--	--	--	--	266,800	26	7
.666	--	--	336,400	19	--	--	--
.679	350,000	19	--	--	--	--	--
.680	--	--	--	--	300,000	26	7
.681	350,000	37	350,000	37	--	--	--
.684	--	--	--	--	336,400	18	1

Table 2 (continued)

CONDUCTORS	COPPER		ALUMINUM		A.C.S.R.		
Diameter (inch)	Cable Size A.W.G. Or C.M.	Stranding	Cable Size A.W.G. Or C.M.	Stranding	Cable Size A.W.G. Or C.M.	Stranding Alum.	Stranding St.
.721	--	--	--	--	336,400	26	7
.724	--	--	397,500	19	--	--	--
.726	400,000	19	--	--	--	--	--
.728	400,000	37	400,000	37	--	--	--
.741	--	--	--	--	336,400	30	7
.743	--	--	--	--	397,500	18	1
.772	450,000	37	450,000	37	--	--	--
.783	--	--	477,000	19	397,500	26	7
.795	--	--	477,000	37	--	--	--
.806	--	--	--	--	397,500	30	7
.813	500,000	37	500,000	37	--	--	--
.814	--	--	--	--	477,000	18	1
.846	--	--	--	--	477,000	24	7
.853	550,000	37	--	--	--	--	--
.855	550,000	61	550,000	61	--	--	--
.856	--	--	556,500	19	--	--	--
.858	--	--	556,500	37	477,000	26	7
.883	--	--	--	--	477,000	30	7
.891	600,000	37	--	--	--	--	--
.893	600,000	61	600,000	61	--	--	--
.914	--	--	--	--	556,500	24	7
.918	--	--	636,000	37	--	--	--
.928	--	--	--	--	556,500	26	7
.929	650.000	61	650,000	61	--	--	--
.930	--	--	--	--	636,000	36	1
.953	--	--	--	--	556,500	30	7
.953	--	--	--	--	605,000	24	7
.964	700,000	61	700,000	61	--	--	--
.966	--	--	--	--	605,000	26	7
.974	--	--	715,500	37	--	--	--
.975	--	--	715,500	61	--	--	--
.977	--	--	--	--	636,000	24	7
.990	--	--	--	--	636,000	26	7
.994	--	--	--	--	605,000	30	19
.998	750,000	61	750,000	61	--	--	--
1.000	--	--	--	--	666,000	24	7
1.019	--	--	--	--	636,000	30	19
1.026	--	--	795,000	37	--	--	--
1.028	--	--	795,000	61	--	--	--
1.031	800,000	61	800,000	61	--	--	--
1.036	--	--	--	--	715,500	54	1

OUNCE TO DECIMAL OF A POUND CONVERSION CHART

Table 3

OUNCES	POUNDS
1	Ø.Ø62
2	Ø.125
3	Ø.188
4	Ø.25Ø
5	Ø.312
6	Ø.375
7	Ø.438
8	Ø.5ØØ
9	Ø.562
1Ø	Ø.625
11	Ø.688
12	Ø.75Ø
13	Ø.812
14	Ø.875
15	Ø.938
16	1.ØØØ

FIIG A007A
APPENDIX C

THREAD SIZE/SERIES

UNIFIED SCREW THREADS (including special threads)

Table 4

Nominal Size and Threads Per Inch	Series Design	Nominal Size and Threads Per Inch	Series Design	Nominal Size and Threads Per Inch	Series Design
0-80 or .060-80	UNF	8-36 or .164-36	UNF	12-56 or .216-56	UNS
1-64 or .073-64	UNC	10-24 or .190-24	UNC	1/4-20 or .250-20	UNC
1.72 or .073-72	UNF	10-28 or .190-28	UNS	1/4-24 or .250-24	UNS
2-56 or .086-56	UNC	10-32 or .190-32	UNF	1/4-27 or .250-27	UNS
2-64 or .086-64	UNF	10-36 or .190-36	UNS	1/4-28 or .250-28	UNF
3-48 or .099-48	UNC	10-40 or .190-40	UNS	1/4-32 or .250-32	UNEF
3-56 or .099-56	UNF	10-48 or .190-48	UNS	1/4-36 or .250-36	UNS
4-40 or .112-40	UNC	10-56 or .190-56	UNS	1/4-40 or .250-40	UNS
4-48 or .112-48	UNF	12-24 or .216-24	UNC	1/4-48 or .250-48	UNS
5-40 or .125-40	UNC	12-28 or .216-28	UNF	1/4-56 or .250-56	UNS
5-44 or .125-44	UNF	12-32 or .216-32	UNEF	5/16-18 or .312-18	UNC
6-32 or .138-32	UNC	12-36 or .216-36	UNS	5/16-20 or .312-20	UN
6-40 or .138-40	UNF	12-40 or .216-40	UNS	5/16-24 or .312-24	UNF
8-32 or .164-32	UNC	12-48 or .216-48	UNS	5/16-27 or .312-27	UNS

Table 4 (continued)

Nominal Size and Threads Per Inch	Series Design	Nominal Size and Threads Per Inch	Series Design	Nominal Size and Threads Per Inch	Series Design
5-16 or 5.000-16	UN	5 3/8-16 or 5.375-16	UN	5 3/4-12 or 5.750-12	UN
5 1/8-12 or 5.125-12	UN	5 1/2-4 or 5.500-4	UN	5 3/4-14 or 5.750-14	UNS
5 1/8-16 or 5.125-16	UN	5 1/2-10 or 5.500-10	UNS	5 3/4-16 or 5.750-16	UN
5 1/4-4 or 5.250-4	UN	5 1/2-12 or 5.500-12	UN	5 7/8-12 or 5.875-12	UN
5 1/4-10 or 5.250-10	UNS	5 1/2-14 or 5.500-14	UNS	5 7/8-16 or 5.875-16	UN
5 1/4-12 or 5.250-12	UN	5 1/2-16 or 5.500-16	UN	6-4 or 6.000-4	UN
5 1/4-14 or 5.250-14	UNS	5 5/8-12 or 5.625-12	UN	6-10 or 6.000-10	UNS
5 1/4-16 or 5.250-16	UN	5 5/8-16 or 5.625-16	UN	6-12 or 6.000-12	UN
5 3/8-12 or 5.375-12	UN	5 3/4-4 or 5.750-4	UN	6-14 or 6.000-14	UNS
		5 3/4-10 or 5.750-10	UNS	6-16 or 6.000-16	UN

SCREW THREAD SERIES DEFINITIONS

Table 5

ABBREVIATION	DEFINITIONS
ISO M	(SI (Metric) Other Than Coarse)
ISO S	(SI (Metric) Coarse)
UN	Unified Constant Pitch Thread Series
UNC	Unified Coarse Thread Series
UNF	Unified Fine Thread Series
UNEF	Unified Extra-Fine Thread Series
UNS	Unified National Special

ISO METRIC SCREW THREADS FOR SCREWS, BOLTS, AND NUTS

Table 6

SIZE		PITCH	
BASIC MAJOR DIAMETER			
Primary	Secondary	Coarse	Fine
		(S)	(M)
MM	MM	MM	MM
Ø.25	-----	Ø.Ø75	-----
Ø.3	-----	Ø.Ø8	-----
	Ø.35	Ø.Ø9	-----
Ø.4	-----	Ø.1	-----
	Ø.45	Ø.1	-----
Ø.5	-----	Ø.125	-----
	Ø.55	Ø.125	-----
Ø.6	-----	Ø.15	-----
	Ø.7	Ø.175	-----
Ø.8	-----	Ø.2	-----
	Ø.9	Ø.225	-----
1.Ø	-----	Ø.25	-----
	1.1	Ø.25	-----
1.2	-----	Ø.25	-----
	1.4	Ø.3	-----
1.6	-----	Ø.35	-----
	1.8	Ø.35	-----
2.Ø	-----	Ø.4	-----
	2.2	Ø.45	-----
2.5	-----	Ø.45	-----
3.Ø	-----	Ø.5	-----
	3.5	Ø.6	-----
4.Ø	-----	Ø.7	-----
	4.5	Ø.75	-----
5.Ø	-----	Ø.8	-----
6.Ø	-----	1.Ø	-----
	7.Ø	1.Ø	-----
8.Ø	-----	1.25	1.Ø
1Ø.Ø	-----	1.5	1.25
12.Ø	-----	1.75	1.25
	14.Ø	2.Ø	1.5
16.Ø	-----	2.Ø	1.5
	18.Ø	2.5	1.5
2Ø.Ø	-----	2.5	1.5
	22.Ø	2.5	1.5
24.Ø	-----	3.Ø	2.Ø
	27.Ø	3.Ø	2.Ø
3Ø.Ø	-----	3.5	2.Ø
	33.Ø	3.5	2.Ø
36.Ø	-----	4.Ø	3.Ø
	39.Ø	4.Ø	3.Ø

FIIG A007A
APPENDIX C

WOODSCREWS

SCREW SIZE (Wire Gauge Nr.) SCREW DIAMETER

Table 7

SIZE	SCREW DIAMETER (DECIMAL INCHES)			THD PER INCH
	BASIC	MAX	MIN	
2	Ø.Ø86	Ø.Ø9Ø	Ø.Ø79	26
3	Ø.Ø99	Ø.1Ø3	Ø.Ø92	24
4	Ø.112	Ø.116	Ø.1Ø5	32
5	Ø.125	Ø.129	Ø.119	2Ø
6	Ø.138	Ø.142	Ø.131	18
7	Ø.151	Ø.155	Ø.141	16
8	Ø.164	Ø.168	Ø.157	15
9	Ø.177	Ø.181	Ø.17Ø	14
1Ø	Ø.19Ø	Ø.194	Ø.183	13
12	Ø.216	Ø.22Ø	Ø.2Ø9	11
14	Ø.242	Ø.246	Ø.235	1Ø
16	Ø.268	Ø.272	Ø.261	9
18	Ø.294	Ø.298	Ø.287	8

UNIT OF MASS CONVERSION TABLE

Table 8

To convert unit of mass (METRIC)

1 POUND	=	0.45359237 KILOGRAMS
1 KILOGRAM	=	2.204623 POUNDS
1 OUNCE	=	28.34952 GRAMS
1 GRAM	=	0.03527 OUNCES

SOURCE: UNITS OF WEIGHTS AND MEASURES, NATIONAL BUREAU OF STANDARDS (MISC. PUBLICATION 286)

FIIG A007A
APPENDIX C

UNIT OF MEASURE CONVERSION TABLE (METRIC)

Table 9

TO CHANGE	TO	MULTIPLY BY
CUBIC INCHES	CUBIC CENTIMETERS	16.3872
CUBIC CENTIMETERS	CUBIC INCHES	Ø.Ø61

APPENDIX D

FUNCTIONAL AND OPERATIONAL INDEX

PAC	DESIGN SELECTION	DISPOSAL	IDENTIFICATION LISTINGS	ITEM REDUCTION	MAINTENANCE	PACKAGING	PURCHASE DESCRIPTION	STORAGE	SUPPLY MANAGEMENT	TECHNICAL DATA MANAGEMENT	TRANSPORTATION	UTILIZATION
NAME	X	X	X	X	X	X	X	X	X	X	X	X
STYL	X	-	X	X	-	X	X	-	X	-	-	X
AARX	X	-	X	X	-	-	X	-	-	-	-	X
ABKV	X	-	X	X	-	X	X	X	-	-	X	X
ABKW	X	-	X	X	-	X	X	X	-	-	X	X
CQBH	X	-	X	X	-	-	X	-	-	-	-	-
CRWK	X	-	X	X	-	-	X	-	-	-	-	-
CQLM	X	-	-	X	-	-	X	-	-	-	-	-
AJQL	X	-	X	X	-	X	X	-	-	-	-	-
ALHL	X	-	X	X	-	-	X	-	-	-	-	-
AATE	X	-	-	X	-	-	X	-	-	-	-	-
ABGA	X	-	-	X	-	-	X	-	-	-	-	-
ABHP	X	-	X	X	-	X	X	X	-	-	X	X
ABKU	X	-	X	X	-	-	X	-	-	-	-	-
ABMK	X	-	X	X	-	X	X	X	-	-	X	X
ABTB	X	-	X	X	-	-	X	-	-	-	-	-
CQBJ	X	-	X	X	-	-	X	-	-	-	-	-
CRTT	X	-	X	X	-	-	X	-	-	-	-	-
ABYZ	X	-	X	X	-	-	X	-	-	-	-	-
CQLJ	X	-	X	X	-	-	X	-	-	-	-	-
CRNK	X	-	-	X	-	-	X	-	-	-	-	-
CQKY	X	-	X	X	-	-	X	-	-	-	-	-
CRJN	X	-	X	X	-	-	X	-	-	-	-	-
CQDD	X	-	X	X	-	-	X	-	-	-	-	-
CRGB	X	-	X	X	-	-	X	-	-	-	-	-
CQBL	X	-	X	X	-	-	X	-	-	-	-	-
CRXG	X	-	-	X	-	-	X	-	-	-	-	-
CQDM	X	-	-	X	-	-	X	-	-	-	-	-
CRFB	X	-	X	X	-	-	X	-	-	-	-	-
CQPP	X	-	X	X	-	-	X	-	-	-	-	-
CRDT	X	-	-	X	-	-	X	-	-	-	-	-
ABZP	X	-	-	X	-	-	X	-	-	-	-	-
CQBM	X	-	-	X	-	-	X	-	-	-	-	-
CRGL	X	-	-	X	-	-	X	-	-	-	-	-
CQHR	X	-	-	X	-	-	X	-	-	-	-	-
CRDS	X	-	-	X	-	-	X	-	-	-	-	-
CQSF	X	-	X	X	-	-	X	-	-	-	X	-
CRJK	X	-	X	X	-	-	X	-	-	-	-	-
CQFZ	X	-	X	X	-	-	X	-	-	-	-	-
CRCX	X	-	-	X	-	-	X	-	-	-	-	-
CQHB	X	-	-	X	-	-	X	-	-	-	-	-
CRKQ	X	-	X	X	-	-	X	-	-	-	-	-

FIIG A007A
APPENDIX D

PAC	DESIGN SELECTION	DISPOSAL	IDENTIFICATION LISTINGS	ITEM REDUCTION	MAINTENANCE	PACKAGING	PURCHASE DESCRIPTION	STORAGE	SUPPLY MANAGEMENT	TECHNICAL DATA MANAGEMENT	TRANSPORTATION	UTILIZATION
MARK	X	-	X	X	-	-	X	-	-	X	-	-
FEAT	X	-	-	X	-	-	X	-	-	X	X	X
TEST	X	-	-	-	X	-	X	-	-	X	-	-
SPCL	X	-	-	-	-	-	X	-	-	X	-	-
ZZZK	X	-	-	X	-	-	X	X	-	X	-	X
ZZZT	X	-	X	X	-	-	X	X	-	X	-	X
ZZZW	X	-	X	X	-	-	X	X	-	X	-	-
ZZZX	X	-	X	X	-	-	X	X	-	X	-	-
ZZZY	X	-	X	X	-	-	-	X	-	X	-	-
CRTL	X	-	-	-	-	X	X	-	-	-	-	-
ELRN	X	-	-	-	-	X	X	X	-	X	-	-
ELCD	-	-	-	-	-	-	X	-	-	-	-	-
TMQY	X	-	X	-	-	X	-	X	-	-	-	-
ADZC	-	-	X	-	-	-	X	X	X	-	X	-
CBME	-	-	-	-	-	X	-	X	-	-	-	-
AFJN	-	-	-	-	-	X	-	X	-	-	-	-
PKWT	-	-	-	-	-	X	-	X	-	-	X	-
SUPP	-	-	X	-	-	X	-	X	-	-	X	-
ZZZP	-	-	X	-	-	X	-	X	-	-	X	-

PARAMETRIC CHARACTERISTICS SEARCH PROCEDURES

INDEX TO APPENDIX E

	Page No.
1 - CHARACTERISTICS SEARCH GENERAL INFORMATION	E-2 through E-4
2 - CHARACTERISTICS SEARCH APPLICABILITY INDEX	E-5 through E-11
3 - SEARCH CONVERSION FORMULAS	E-12
4 - CHARACTERISTICS SEARCH PROCEDURES	E-13 through E-27

1. The Search by Characteristics process provides the means whereby authorized submitters can search the characteristics data base for a single item or a group of similar items. This process is completely separate and distinct from the stock number assignment process and is designed to service all logistics functions utilizing characteristics data.

2. To perform a characteristics search, replies must be entered to a specific number of designated characteristics requirements (Key PACs). The replies to these Key PACs will then be used to compute a Search Key. If the FIIG has been implemented on Parametric Search, Section II Data Range Criteria applicable to the Key PAC(s) will be applied during the Search Key computation process. The Search Key will then be used to pull from the data base all the item descriptions that computed to the same Search Key (File Candidates). The remaining characteristic requirements are optional for a characteristics search transaction (Non-Key PACS). These Non-Key PACs may be used to reduce the quantity of File Candidates. Replies to the Non-Key PACs of the File Candidates must be equal to or fall within the range of the corresponding Non-Key PAC replies of the input transaction. For those FIIGs implemented on Parametric Characteristics Search (identified in the specific Appendix E as Equivalency and/or Substitution Search) the FIIG Section II Data Range Criteria will be applied to both the Key and Non-Key PACs, as applicable, prior to the comparison process. The application of this criteria to the Non-Key PACs may be canceled by the use of AND/OR coding ($$/$), where applicable, or the use of PAC CRTL as a Non-Key PAC. Whenever a no-match condition exists between any Non-Key PAC of the search input and its corresponding File Candidate PAC the item will be dropped. Selection of which Non-Key PAC(s) to input, if any, is governed only by the type and quantity of output desired. The applicable Key and Non-Key PACs are indicated in the Characteristics Search Applicability Index.

3. For those Item Name Codes (INCs) for which PAC NAME is the only Key PAC, a minimum of one Non-Key PAC must be included in each search transaction. Determination of which Non-Key PAC to include is left to the discretion of the submitter. Search transactions containing only PAC NAME will be rejected to the submitter.

4. Since PAC NAME is a mandatory Key PAC, a characteristics search can only be accomplished within a single Item Name Code (INC).

5. Reply to the Key and Non-Key PACs, as applicable, in accordance with their Appendix E reply instructions. Whenever a conflict exists between those instructions and the FIIG General Information, Section I, Section III, or Appendix B instructions the search procedures shall govern. Secondary Address Coding (SAC) can be used in replying to any Key or Non-Key PAC. To constitute a match condition, however, the file candidate item must contain Secondary Address Coded replies that are equal to or fall within the range of the corresponding Secondary Address Coded replies of the search input.

6. Key PAC replies can, when authorized by the specific reply instructions, consist of a single reply, AND coded replies, or a series of optional OR coded replies.

a. If a single reply is entered, exact value-for-value matching will be accomplished. If the FIIG has been implemented on Parametric Search, any applicable Section II Data Range Criteria is applied prior to the actual comparison process.

b. OR coding ($) can only be authorized for one (1) Key PAC per INC. A maximum of three (3) replies may be entered for that PAC. Three (3) different Search Keys will then be computed resulting in three (3) groups of File Candidates.

c. AND coding ($$) replies will, like single replies, be matched on a value-for-value basis.

7. Replies may be entered to as many Non-Key PACs as desired in accordance with their reply instructions. A reply to a Non-Key PAC may, when authorized by the reply instructions, contain a single reply, optional replies ($), or a range of values ($$).

a. If a single reply is entered, exact value-for-value matching will be required. If the FIIG has been implemented on Parametric Search, any applicable Section II Data Range Criteria is applied prior to the actual comparison process.

b. To search for optional replies, OR coding ($) may be used to enter a maximum of three ($) replies to a PAC when authorized by the reply instructions. Any reply of a File Candidate item that matches any of the input replies constitutes a match. If the FIIG has been implemented on Parametric Search, the use of OR coding ($) cancels any Data Range Criteria applicable to that specific Non-Key PAC.

c. To search for a range of values, use AND coding ($$) to enter the minimum and maximum values desired in ascending algebraic sequence. All matches will be based on File Candidate items containing values within the range of these values. This provides the ability to tailor the range values to produce the desired output. When AND coding is applied to a requirement where multiple units of measure are applicable, the same unit of measure must appear on both sides of the AND coding symbol ($$) for any specific input. If the FIIG has been implemented on Parametric Search, the use of AND coding ($$) cancels any Data Range Criteria applicable to that specific Non-Key PAC.

8. If it is desired that the machine ignore the reply to any Non-Key PAC due to the nature of the requirement (clear text reply) or to satisfy a specific logistics need, the following techniques may be employed:

a. By simply omitting the reply to any Non-Key PAC replies to the corresponding Non-Key PAC(s) of the File Candidate(s) will be ignored. Since these replies are not included in the mechanical comparison process then, in effect, all values are considered as substitutable by the machine. Manual review of these replies will then be required.

b. To have a PAC included in the mechanical comparison process but not its reply, change the Mode Code to K and enter a reply of A. The machine will then output only those items which have answered that PAC regardless of the specific reply. File Candidates <u>not</u> containing the PAC in question are dropped.

c. To have the <u>absence</u> of a PAC included in the mechanical comparison process, change the Mode Code to K and enter a reply of X. The machine will then output only those items which have <u>not</u> answered that specific PAC. File Candidates containing the PAC in question are dropped.

9. While a requirement may be applicable to several item names in Section I having the same Applicability Key designation, that same requirement may not be appropriate as a KEY PAC for each and every one of those names. It is, therefore, not feasible to use the Section I "Applicability Key" designation concept in the Search by Characteristics Key PAC procedures. The actual Item Name Code (INC) will be used to relate Key PACs to the proper item names. A pseudo INC of five nines (99999) will be used to indicate that all item names are applicable to a specific Key PAC. The Section I Applicability Key designators will be used, however, to indicate which item names are applicable to which Non-Key PACs.

10. Definition of Terms:

a. "Must Have" Key PAC - To perform a Search by Characteristics, a reply to a "Must Have" Key PAC is mandatory. A "Must Have" Key PAC is indicated by an "X" on the Appendix E Characteristics Search Applicability Index. If a reply to a "Must Have" Key PAC is omitted or invalid, the Search by Characteristics input will be rejected.

b. "May Have" Key PAC - To perform a valid Search by Characteristics, a reply must be entered to a "May Have" Key PAC whenever the characteristics of that requirement are applicable to the desired item(s). The omission of a reply to a "May Have" Key PAC when that characteristic is applicable will not result in a reject of the input but the characteristics search process will be unable to locate the desired item(s). A "May Have" Key PAC is indicated by "XR" in the applicability index.

CHARACTERISTICS SEARCH APPLICABILITY INDEX

X = "MUST HAVE" KEY PAC (Reply Mandatory)
XR = "MAY HAVE" KEY PAC (Reply Mandatory, If Applicable)
– = NON-KEY PAC (Reply Optional)
BLANK = NOT APPLICABLE (Reply Not Authorized)

PAC	Page No.	Applicability Key/INC A 18299	B 18300	C 18301	D 18282	E 18295	F 18284
NAME	E-13	X	X	X	X	X	X
ABKW	E-13,14	–	–	XR		XR	
ABKV	E-13,14	–	–	–	–	–	–
ABHP	E-13,15		–	–	–		
AAPC	E-13,22	–	XR	–	–	–	–
STYL	E-14	–	–	–	–	–	–
AATE	E-14		–	–			
ABYZ	E-14		–				
ABZP	E-14		–				
AATA	E-14			–			
ACDK	E-14					–	
ABKU	E-14		–	–			–
AARX	E-14	–		–			
AJQL	E-15	–	–	–			–
ALHL	E-15	–					
CQBH	E-15	–		–			
CQLM	E-15	–					
CRWK	E-15	–					
ABGA	E-15		–				
ABMK	E-15		–	–	–		
ABTB	E-15		–	–	–	–	–
ADUW	E-15		–	–			
ADUX	E-15		–	–			
AFFL	E-15		–	–		–	–
AGHG	E-15		–	–			
AGPX	E-15		–	–		–	–
AJQM	E-15		–	–			–
AYGJ	E-16		–				–
BGJZ	E-16		–				
BQCT	E-16		–	–			
BXCZ	E-16		–	–		–	–
CFNT	E-16		–	–		–	–
CQBJ	E-16		–				
CQBL	E-16		–				
CQBM	E-16		–				
CQBR	E-16		–	–			–
CQDD	E-16		–				
CQDM	E-16		–				
CQFZ	E-16		–				
CQHB	E-16		–				
CQHR	E-16		–				
CQKY	E-16		–	–	–		
CQLF	E-16		–				
CQLJ	E-16		–				–
CQPP	E-16		–				
CQSF	E-16		–				
CRCX	E-16		–				–
CRDH	E-16		–	–			
CRDS	E-16		–				–

FIIG A007A
APPENDIX E

PAC	Page No.	Applicability Key/INC G 18283	H 18289	J 00224	K 18296	L 18290	M 00225
STLC	E-21	-	-	-	-	-	-
ACGY	E-22	-	-	-	-	-	-
AXHR	E-22	-	-	-		-	-
ABGX	E-22	-	-	-		-	-
CQBP	E-22	-	-	-		-	-
CRFL	E-23	-	-	-		-	-
CQTP	E-23	-	-	-		-	-
CRPG	E-23	-	-	-		-	-
CQJM	E-23	-	-	-		-	-
CRBM	E-24		-				
AAKV	E-24		-				
MARK	E-24	-	-	-	-	-	-
FEAT	E-24	-	-	-	-	-	-
TEST	E-24	-	-	-	-	-	-
SPCL	E-24	-	-	-	-	-	-
ZZZK	E-25	-	-	-	-	-	-
ZZZT	E-25	-	-	-	-	-	-
ZZZW	E-25	-	-	-	-	-	-
ZZZX	E-25	-	-	-	-	-	-
ZZZY	E-25	-	-	-	-	-	-
CRTL	E-25	-	-	-	-	-	-
ELRN	E-26	-	-	-	-	-	-
ELCD	E-26	-	-	-	-	-	-
TMQY	E-26	-	-	-		-	-
ADZC	E-26	-	-	-	-	-	-
CBME	E-26	-	-	-	-	-	-
AFJN	E-26	-	-	-	-	-	-
PKWT	E-27	-	-	-	-	-	-
SUPP	E-27	-	-	-	-	-	-
ZZZP	E-27	-	-	-	-	-	-

SEARCH CONVERSION FORMULAS

TO CONVERT	TO	MULTIPLY BY
1 - CUBIC CENTIMETERS	CUBIC INCHES	Ø.Ø61Ø2
2 - POUNDS	OUNCES	16.Ø
3 - GRAMS	OUNCES	Ø.Ø3527
4 - KILOGRAMS	OUNCES	35.274

FIIG A007A
APPENDIX E

CHARACTERISITCS SEARCH PROCEDURES

INC	PAC KEY	MODE CODE	REQUIREMENTS
99999	NAME	D	ITEM NAME Enter the applicable item name code from the index on pages xiii through xv. (e.g., NAMED18283*)
00225, 18295, 18301	ABKW	J	OVERALL HEIGHT
18294	ABKV	J	OUTSIDE DIAMETER
18296	ABHP	J	OVERALL LENGTH Input 1: Enter the applicable reply codes from the tables below, followed by the numeric value. (e.g., ABKWJAA1.245*) Input 2: AND coding ($$) may be used to search for specific values. (e.g., ABKWJAB1.245$$JAC1.450*)

Table 1

REPLY CODE	REPLY
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY
A	NOMINAL
B	MINIMUM
C	MAXIMUM

NOTE FOR PAC AAPC INPUT 2: SECONDARY ADDRESS CODING AND OR CODING CANNOT BE USED SIMULTANEOUSLY TO ENTER REPLIES TO THIS REQUIREMENT. INPUT TRANSACTIONS CONTAINING THIS CONDITION WILL BE REJECTED TO THE SUBMITTER.

00226, 18296, 18300	AAPC (See Note Above)	D	IDENTIFICATION CODE COLOR Input 1: Enter the applicable reply code from Appendix A, Table 6. (e.g., AAPCDAM0000*) Input 2: OR coding ($) may be used to search for optional replies. (e.g., AAPCDAM0000$DBL0000$DGR0000*)

APPL KEY	PAC	MODE CODE	REQUIREMENTS
K*	CQBW	J	SEVENTH HOLE SPACING
	CQBZ	J	SECOND SLOT DEPTH
	CQDH	J	SECOND SIDE RADIUS
	CQFP	J	TENTH HOLE SPACING
K*,N*, Q*	CQGL	J	FIRST HOLE LENGTH
K*,M*, N*	CQHX	J	FIRST CENTER DISTANCE
K*, M*	CRKC	J	CORNER CUT LENGTH
K*	CRKH	J	THIRD STEP HEIGHT
K*, M*	CRPR	J	SECOND CENTER DISTANCE
K*	CRRS	J	SECOND HOLE WIDTH
	CRTH	J	EIGHTH HOLE SPACING
	CRYN	J	FIFTH HOLE SPACING
	CSBM	J	SECOND HOLE LENGTH
K*, M*	CSBN	J	CORNER CUT WIDTH
K*,N*, Q*	CSCT	J	FIRST HOLE WIDTH
K*	CSDB	J	SECOND SLOT WIDTH
	CSDD	J	SIXTH HOLE SPACING
	CSDM	J	NINTH HOLE SPACING
L*,M*, N*	CRZZ	J	WIRE HOLE DIAMETER
	CSBD	J	FIRST DISTANCE FROM CONDUCTOR HOLE TO INSULATOR END
M*	ADEM	J	WASHER THICKNESS
	AJCZ	J	BASE HEIGHT
	AJWR	J	SHOULDER LENGTH
	BTPG	J	BOWL DEPTH
	CQCL	J	INSERT FLANGE THICKNESS
M*, N*	CQFS	J	FIRST CAP HEIGHT
M*	CRJL	J	SECOND CAP HEIGHT
	CRXQ	J	NONTURN FEATURE HOLE DEPTH
	CSBZ	J	TOP HOLE DEPTH
	CSDJ	J	SECOND WIRE HOLE DIAMETER

APPL KEY	PAC	MODE CODE	REQUIREMENTS
ALL*	PKWT	J	UNPACKAGED UNIT WEIGHT

NOTE: Search conversion formulas 2, 3, 4, and rounding rules apply.

Input 1: Enter the applicable reply code from the table below, followed by the numeric value. (e.g., PKWTJOZ4.25Ø*)

Input 2: AND coding ($$) may be used to search for a range of values. (e.g., PKWTJOZ4.25Ø$$JOZ7.25Ø*)

REPLY CODE	REPLY
GM	GRAMS
KG	KILOGRAMS
LB	POUNDS
OZ	OUNCES

ALL* SUPP G SUPPLEMENTARY FEATURES

Enter the reply in clear text. (e.g., SUPPGMAY INCL HOLE IN UPPER SUPPORT FOR MTG DURING SHIPMENT*)

ALL* ZZZP J PURCHASE DESCRIPTION IDENTIFICATION

Input 1: Enter the 5-digit manufacturers code, followed by a dash and the identifying number of the document. (e.g., ZZZPJ81337-3Ø624A*)

Input 2: OR coding ($) may be used to search for optional replies. (e.g., ZZZPJ81337-3Ø624A$J81337-3Ø624B$J81337-3Ø624C*)

APPENDIX C

Sample Item Logistics Data Worksheet

ITEM LOGISTICS DATA WORKSHEET

SEG	FIIG NO.					
40	41	42	43	44	45	46
A	A	Ø	Ø	7	A	Ø

INC				
47	48	49	50	51
1	8	2	9	6

ITEM NAME																			
52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	

SEG 40 V

CHARACTERISTICS DATA GROUP (Repeat elements as required.)

42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	CIC 80
N	A	M	E	D	1	8	2	9	6	#	S	T	Y	L	L	M	4	2	#	A	B	K	T	J	A	A	2	.	Ø	Ø	Ø	#		–				–
A	D	U	W	J	A	A	Ø	.	6	2	5	#	A	D	U	X	J	A	A	Ø	.	5	Ø	Ø	#	A	Y	G	J	J	A	A	3	.	Ø	Ø	#	–
M	T	L	C	H	M	T	F	A	S	O	O	O	#	#																								
F	S	C	M			R	E	F	E	R	E	N	C	E		N	O	.																					
7	2	5	7	6		6	5	5	1	2	5	–	7																									
8	5	3	1	7		4	5	Ø	–	1	2	Ø																										

SEG V

NOTE

FOR LEGIBILITY AND CLARITY, SKIP ONE LINE BETWEEN EACH LINE ENTRY, AS SHOWN IN SAMPLE

(Format prescribed by Fed. Std. 5F)

ITEM LOGISTICS DATA WORKSHEET (Continuation)

SEG	CHARACTERISTICS DATA GROUP (Repeat elements as required.)																																							CIC
40	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79		80

NOTE

IF CONTINUATION SHEET IS REQUIRED, USE FORMAT SHOWN ON WORKSHEET (C-3).

(Format prescribed by Fed. Std. 5F)

APPENDIX D

MISCELLANEOUS ITEMS FIIG

FIIG A239

FED-STD-5F MI ■ 9999977 0005200 3 ■

FIIG A239
7 MAY 1971

FEDERAL ITEM IDENTIFICATION GUIDE

MISCELLANEOUS ITEMS

DEFENSE LOGISTICS AGENCY
Defense Logistics Services Center
Battle Creek, Michigan 49016

D-3

1. Purpose and Scope

The Miscellaneous Items FIIG is a self-contained document for the collection, coding, transmittal, and retrieval of characteristics data. This FIIG will be used to describe items of supply identified by the approved item names appearing in Cataloging Handbook H 6-1 referenced to this FIIG, as well as part names for new and existing items for which approved item names have not been developed.

The cataloging of items will continue, utilizing presently published names, description patterns, and procedures until the implementation date is accomplished by DLSC C/G Distribution letter 60 days in advance of the date.

2. Contents

This FIIG is comprised of the following:

Index of Approved Item Names Covered by this FIIG (Not Applicable)

Applicability Key Index (Not Applicable)

Section I - Item Characteristics Data Requirements

Section II - Data Range Criteria (Not Applicable)

Section III - Supplementary Technical and Supply Management Data

Appendix A - Reply Tables

Appendix B - Reference Drawing Groups (Not Applicable)

Appendix C - Technical Data Tables

Appendix D - Functional and Operational Index

Appendix E - Characteristics Search Procedures (Not Applicable)

This FIIG does not contain an applicability key index in that all requirements, except for certain specified restrictions, are optional for all items.

a. Section I - Item Characteristics Data Requirements:

This section contains the physical and performance characteristics requirements needed to describe and identify an item of supply. These characteristics differentiate one item from all other items of supply and are to be used to meet the needs of all supported functions. This section is arranged in columns. Identification of each column and instructions pertinent thereto are as follows:

(1) Applicability Key: The first column shows the applicability key(s) for each requirement. It indicates whether the requirement need be satisfied for the item being identified. "ALL" indicates that the requirement must be answered for all items covered by the FIIG. One or more alphabetic character(s) or group of one or more alphabetic characters indicates a response is required when describing items with an approved item name or names represented by the key(s). An asterisk used in conjunction with any applicability key indicates that the characteristic stated in the requirement may not be applicable to all items covered by the FIIG and replies to the requirements will be governed as follows:

(a) If the requirement calls for a characteristic that is not an inherent characteristic of the item being described, a reply will not be given for the requirement.

(b) If the requirement calls for a rating that is not an inherent characteristic of the item being described, a reply will not be given for the requirement.

(c) If the requirement calls for a rating that is an inherent characteristic of the item being described, but a reply to the rating is not required due to item application, a NOT RATED reply will be given in accordance with requirement instructions.

(d) If the only appropriate reply to a requirement is NONE, a reply will not be given for the requirement.

(2) Primary Address Code (PAC): A four-position code which is assigned to a FIIG requirement for identification of the requirement, cross-referencing requirements in the various sections and appendices of the FIIG, and for mechanized processing and retrieval of FIIG generated data. Absence of a PAC for a requirement indicates a lead-in to requirements with individual PACs in Appendix B.

(a) The coding technique for providing MULTIPLE/OPTIONAL responses will not be used for a Section I requirement assigned Mode Code A or L that leads to Appendix B sketches with dimensional requirements.

(b) Secondary Address Coding: This technique is for extending the primary address code so that a unique address is provided for each application of the requirement in relation to the item and is authorized only as instructed within the requirement. Responses coded through this technique will always consist of the following (1) primary address code, (2) indicator code (a single numeric character determined by the number of positions contained), (3) secondary address code (1 to 9 digit alphabetic codes determined by the number of predicted replies), (4) the mode code, (5) the reply code and/or clear text response, and (6) end with a record separator (*). Steps (1) through (6) are repeated for each application of the requirement.

(c) AND/OR coding: A technique for extending the primary address code to provide a distinctive address for multiple responses to the same requirement. Responses coded through this technique will always consist of (1) primary address code, (2) mode code, (3) the response or reply code (as instructed by the requirement), (4) a single dollar sign ($) for an OR condition, or a double dollar sign ($$) for an AND condition, (5) the mode code, (6) the response or reply code (followed by conditions (4) through (6) for each of the multiple responses) and (7) end with a record separator (*). NOTE: Apply this technique only when instructed by the requirement sample reply (e.g.).

(3) Mode Code: A one-position alphabetic code that specifies the manner in which a response will be prepared. Each requirement assigned a PAC is also assigned a mode code. Sample replies follow each FIIG requirement displaying the proper construction of a response for the assigned mode code. The response to a requirement will always be prepared in accordance with the assigned mode code and sample reply except in the following instances:

*NOTE: An "at" sign @ indicates data group effected by a change.

(a) Mode Code E may be used with any requirement, except requirement NAME or a requirement with Mode Code A, G, or L where the replies (or portion thereof in the case of chained requirements) applicable to the requirement are restricted by an authorized table of replies or other restrictions, and an appropriate reply has not been provided. E Mode Code replies are governed by the following:

-1- The E Mode Code reply must be in context with the requirement statement.

-2- The E Mode Code reply must be given totally in clear text.

-3- The E Mode Code reply must be structured in the same manner as the replies authorized for use with the requirement.

-4- The E Mode Code reply is not valid for any requirement wherein an Appendix B style number is the appropriate reply.

-5- The E Mode Code reply must be entered last when used in conjunction with AND/OR coding.

(b) Mode Code K may be substituted for any mode code, except Mode Codes D, G, or L. Reply Code A may be used with Mode Code K for any requirement when the appropriate reply is "Any Acceptable", unless otherwise instructed within the requirement. Reply Code N may be used with Mode Code K only when authorized by the requirement instructions. When Mode Code K is used in lieu of the assigned Mode Code, the PAC, Mode Code K and the appropriate standard reply code authorized for use with this mode code will be given. The following standard replies and codes are authorized for use with Mode Code K:

REPLY CODE	REPLY
A	ANY ACCEPTABLE
N	NOT RATED

(4) Requirement: This portion includes the characteristics data elements and data use identifiers required to identify and differentiate one item of supply from another, narrative definitions, and explanations as to use and method of expression. Instructions for coding and preparing replies are also provided.

(5) Reply Code: A code that represents an established authorized reply to a requirement.

d. Section II - Data Range Criteria:

This section includes general parameters, data range values, and preferred characteristics data. These data may be used for determining equivalency and substitutability relationships based on technical, functional and/or physical characteristics.

e. Section III - Supplementary Technical and Supply Management Data:

This section includes those characteristics requirements necessary to support specific logistics functions other than National Stock Number assignment.

f. Appendix A - Reply Tables:

Tables of authorized replies to requirements and reply codes when the tables are too lengthy for inclusion in Section I/III, when applicable.

g. Appendix B - Reference Drawings:

This appendix contains representative illustrations which portray specific variations of one or more generic characteristics. If reference drawings contain legend pages to be used in conjunction with illustrations for dimensioning purposes, the legend pages will contain legend/primary address codes, mode codes, and a statement of the requirement. A response to requirements on a legend page is necessary only for those legend/primary address codes applicable to the illustration selected.

h. Appendix C - Technical Data Tables:

This appendix contains conversion charts and similar data pertinent to the requirements in Section I/III, when applicable.

i. Appendix D - Functional and Operational Index:

A listing of the FIIG primary address codes referenced to applicable logistics functions showing the FIIG data needed by any given logistics function to manage or accomplish its mission.

j. Appendix E - Characteristics Search Procedures:

This appendix contains the instructions and guidance relative to the characteristics search process. This includes both the Key and Non-Key PAC designations, the applicable search conversion formulas, search AND/OR coding ($$/$) authorization, and any other special search instructions.

3. Enter administrative PAC 9001, immediately following the last FIIG requirement reply, as instructed below:

PAC	Mode Code	Requirement	Example
9001	A	NONDUPLICATION OF NSN (indicates that, though characteristics seem similar, research revealed difference(s) requiring assignment of different NSN)	9001A5905-00-123-4567*; 9001A5905-00-123-4567$$ A5905-00-345-6789*

4. Instructions

a. All items described through the use of this FIIG will be identified as either Type 4, 4a, or 4b. No other type numbers are authorized for use with this FIIG.

b. PAC NAME and any one Section I or Section III PAC, excluding PAC CRTL, are the minimum mandatory PACs that must be answered when using this FIIG to identify a Type 4 or Type 4a item. PAC NAME cannot be used with PAC CRTL alone as the proper response to PAC CRTL must be in terms of another PAC in the FIIG. When the item is identified as a Type 4b, PAC ZZZY must be answered in addition to PAC NAME to supplement the nonidentifying reference number.

c. Since this FIIG is designed to collect descriptive data for part names (unapproved item names) in addition to approved item names, special recording instructions for PAC NAME are necessary. In using this FIIG to submit data on part names, change the mode code of PAC NAME to E and enter the part name in full text. Omit Item Name Code 77777 from the response to PAC NAME. Item Name Code 77777 must appear in the DD Form 1573 header, and the Item Name Code plus the 19 position part name must appear in the DD Form 635 input as currently instructed.

5. Special Notes

The data elements and codes included in this FIIG are interim and subject to change after data standardization has been effected in accordance with the discipline outlined in DoD Instruction 5000.12.

6. Special Instructions

Measurements: Unless otherwise indicated within a requirement example, enter all measurements in decimal form, carried to the nearest three decimal places, with a minimum of one digit preceding the decimal. For SI (metric), enter all measurements with a minimum of one digit before and after the decimal.

Recording instructions for requirements using nominal or minimum and maximum:

If a nominal value is given, minimum and maximum values cannot be utilized within the same requirement reply.

If a value is given for minimum, a reply for maximum is mandatory unless otherwise specified in the source data. Likewise, if a value is given for maximum, a reply for minimum is mandatory unless otherwise specified in the source data. Enter the minimum value first followed by the maximum value, if applicable.

7. Special Instructions:

Do not use negative replies (none, not applicable, etc.) for requirements in this FIIG. Enter positive replies only.

8. Maintenance

This FIIG was prepared by the Defense Logistics Services Center. Requests for revisions and other changes will be directed to:

Commander
Defense Logistics Services Center
ATTN: DLSC-CGF
Federal Center
Battle Creek, Michigan 49016

SECTION I
ITEM CHARACTERISTICS DATA REQUIREMENTS

APPL KEY	PAC	MODE CODE	REQUIREMENTS
@ ALL	NAME	D	ITEM NAME Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN. Reply Instructions: Enter the applicable item name code from Cataloging Handbook H6. (e.g., NAMED61511*) If an approved item name does not appear in Cataloging Handbook H6 for the item being described, change the Mode Code to E and enter the part name in full text. (e.g., NAMEESLIDE ASSEMBLY,DUCT*) Do not include INC 77777 as part of this reply.
@ ALL*	TEXT	G	GENERAL CHARACTERISTICS ITEM DESCRIPTION Definition: A RECORDING OF THE PHYSICAL, FUNCTIONAL, AND PERFORMANCE CHARACTERISTICS FOR AN ITEM OF SUPPLY. Reply Instructions: Enter the reply in clear text, separating each different characteristic with a semicolon. (e.g., TEXTGALUMINUM ALLOY, ANODIZED; 16 IN. LG; 12 IN. W; 3 IN. H*)
ALL*	TEST	J	TEST DATA DOCUMENT Definition: THE SPECIFICATION, STANDARD, DRAWING, OR SIMILAR INSTRUMENT THAT SPECIFIES ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS OR TEST CONDITIONS UNDER WHICH AN ITEM IS TESTED, AND ESTABLISHES ACCEPTABLE LIMITS WITHIN WHICH THE ITEM MUST CONFORM, IDENTIFIED BY AN ALPHABETIC AND/OR NUMERIC REFERENCE NUMBER. INCLUDES THE FEDERAL SUPPLY CODE FOR MANUFACTURER (FSCM) OF THE ENTITY CONTROLLING THE INSTRUMENT. Reply Instructions: Enter the applicable reply code from the table below, followed by the 5-digit manufacturers code, a dash, and the document identification number. (e.g., TESTJA12345-CWX654321*; TESTJA12345-654321$$JB55566-663654*; TESTJA12345-654321$JB55566-663654*) REPLY CODE — REPLY A — SPECIFICATION (includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical," "average," "nominal," etc.) B — STANDARD (includes industry or association standards, individual manufacturer standards, etc.) C — DRAWING (this is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard, or other document that may be referenced in a basic governing drawing)

APPL KEY	PAC	MODE CODE	REQUIREMENTS
ALL*	SPCL	G	SPECIAL TEST FEATURES Definition: TEST CONDITIONS AND RATINGS, OR ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS THAT ARE DIFFERENT, MORE CRITICAL, OR MORE SPECIFIC THAN THOSE SPECIFIED IN A GOVERNING TEST DATA DOCUMENT. Reply Instructions: Enter the reply in clear text. (e.g., SPCLGSELECTED AND TESTED FOR NAVIGATIONAL SYSTEMS*)
			NOTE FOR PAC ZZZS: DO NOT USE FOR SOURCE CONTROL AND SPECIFICATION CONTROL DRAWINGS (RNCC 1 AND RNCC 7).
ALL*	ZZZS (See Note Above)	G	NONGOVERNMENT DOCUMENT DATA Definition: THE PROFESSIONAL GROUP, INDUSTRIAL ASSOCIATION, OR MANUFACTURERS SPECIFICATION OR STANDARD WHICH ESTABLISHES THE ITEM OF SUPPLY BEING DESCRIBED. INCLUDES THE FEDERAL SUPPLY CODE FOR MANUFACTURERS (FSCM) OF THE ENTITY CONTROLLING THE DOCUMENT. Reply Instructions: Enter the 5-digit manufacturers code, followed by a dash and the document designator. (e.g., ZZZSG80205-NAS1103*)
ALL*	ZZZT	J	NONDEFINITIVE SPEC/STD DATA Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD. Reply Instructions: Enter the applicable reply code from Appendix A, Table 1, followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1*; ZZZTJTY1$$JSTA*; ZZZTJTY1$JSTA*)
ALL*	ZZZW	G	DEPARTURE FROM CITED DOCUMENT Definition: THE TECHNICAL DIFFERENTIATING CHARACTERISTIC(S) OF AN ITEM OF SUPPLY WHICH DEPART(S) FROM THE TEXT OF A SPECIFICATION OR A STANDARD IN THAT IT REPRESENTS A SELECTION OF CHARACTERISTICS STATED IN THE SPECIFICATION OR STANDARD AS BEING OPTIONAL, OR A VARIATION FROM ONE OR MORE OF THE STATED CHARACTERISTICS, OR AN ADDITIONAL CHARACTERISTIC NOT STATED IN THE SPECIFICATION OR STANDARD. Reply Instructions: Enter the reply in clear text. (e.g., ZZZWGAS MODIFIED BY MATERIAL*)
ALL*	ZZZX	G	DEPARTURE FROM CITED DESIGNATOR Definition: THE VARIATION WHEN THE ITEM IS IN CONFORMITY WITH A TYPE DESIGNATOR COVERED BY A SPECIFICATION OR STANDARD, EXCEPT IN REGARD TO ONE OR MORE TECHNICAL DIFFERENTIATING CHARACTERISTICS. Reply Instructions: Enter the reply in clear text. (e.g., ZZZXGAS MODIFIED BY MATERIAL*)

APPL KEY	PAC	MODE CODE	REQUIREMENTS
ALL*	ZZZY	G	REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS. Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS*; ZZZYGAS DIFFERENTIATED BY MATERIAL*)
ALL*	CRTL	A	CRITICALITY CODE JUSTIFICATION Definition: THE PRIMARY ADDRESS CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM. Reply Instructions: Enter the primary address code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAMATL*; CRTLAMATL$$ASURF*) Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical.
			NOTE FOR PAC RADC: REPLY TO THIS PAC AND PAC RADD IN SECTION III ONLY WHEN THE ITEM IS RADIOACTIVE; OTHERWISE, DO NOT RESPOND.
@ ALL*	RADC (See Note Above)	D	RADIOACTIVE CONTENT Definition: AN INDICATION OF WHETHER OR NOT THE ITEM CONTAINS RADIOACTIVE MATERIALS. Reply Instructions: Enter the reply code from the table below. (e.g., RADCDP*) REPLY CODE — REPLY P — CONTAINS RADIOACTIVE MATERIAL
			NOTE FOR PAC ELRN: REPLY TO THIS PAC ONLY WHEN REQUIRED TO ENTER AN EXTRA LONG PART NUMBER; OTHERWISE, DO NOT RESPOND TO THIS REQUIREMENT.
ALL*	ELRN (See Note Above)	G	EXTRA LONG REFERENCE NUMBER Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS. Reply Instructions: Enter the entire reference number. Do not include the 5-digit manufacturer's code. (e.g., ELRNGANN112036BIL060557LEN031360 5UZ062365*) @In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, DIDS Procedures Manual, DoD 4100.39-M.

FIIG A239
SECTION I

APPL KEY	PAC	MODE CODE	REQUIREMENTS
@ ALL*	ELCD	D	EXTRA LONG CHARACTERISTIC DESCRIPTION

Definition: A DESCRIPTION THAT EXCEEDS 5000 CHARACTERS.

Reply Instructions: Enter the reply code from the table below. (e.g., ELCDDA*)

The excess characters will be mailed to DLSC on DD Form 146 for review and manual control pending machine processing.

REPLY CODE	REPLY
A	ADDITIONAL DESCRIPTIVE DATA ON MANUAL RECORD

SECTION II

SECTION II is not feasible due to the broad commodity area coverage of this FIIG.

APPL KEY	PAC	MODE CODE	REQUIREMENTS
@			
ALL	ADZC	D	ENVIRONMENTAL PROTECTION

Definition: THE ENVIRONMENTAL ELEMENTS OR CONDITIONS THAT AN ITEM IS DESIGNED OR PROTECTED TO RESIST OR WITHSTAND SATISFACTORILY.

Reply Instructions: Enter the applicable reply code from the table below. (e.g., ADZCDAA*; ADZCDAA$$DJP*)

REPLY CODE	REPLY
AA	ABRASION RESISTANT
ET	ACCELERATED LIGHT
JP	ACID FUME
AW	CHEMICAL RESISTANT

@			
ALL	AFJK	J	CUBIC MEASURE

Definition: A MEASUREMENT OF VOLUME TAKEN BY MULTIPLYING THE LENGTH BY THE WIDTH BY THE HEIGHT OF AN ITEM AND RENDERED IN CUBIC UNITS.

Reply Instructions: Enter the applicable reply code from the table below, followed by the numeric value. (e.g., AFJKJB25.000*)

REPLY CODE	REPLY
B	CUBIC INCHES
F	CUBIC FEET
C	CUBIC CENTIMETERS
D	CUBIC DECIMETERS

@			
ALL	AFJN	D	FRAGILITY FACTOR

Definition: THE MEASURE OF SENSITIVITY OF THE ITEM TO BE PACKAGED. A FACTOR USED BY PACKAGING ENGINEERS IN DEVISING PROPER CUSHIONING IN A PACKAGE.

Reply Instructions: Enter the applicable reply code from the table below. (e.g., AFJNDB*)

REPLY CODE	REPLY
B	EXTREMELY FRAGILE
C	VERY DELICATE
D	DELICATE
E	MODERATELY DELICATE
F	MODERATELY RUGGED
G	RUGGED

@			
ALL	AFJQ	J	STORAGE TEMP RANGE

Definition: THE MINIMUM AND MAXIMUM TEMPERATURE AT WHICH AN ITEM CAN BE STORED WITHOUT DETRIMENTAL EFFECT.

@Reply Instructions: Enter the applicable reply code from the table below, followed by the numeric values, separated by a slash. Precede negative values with an M and positive values with a P. (e.g., AFJQJFM0.0/P0.0*)

FIIG A239
SECTION III

APPL KEY	PAC	MODE CODE	REQUIREMENTS

REPLY CODE	REPLY
C	DEG CELSIUS
F	DEG FAHRENHEIT

@
ALL AGAV G END ITEM IDENTIFICATION

Definition: THE NATIONAL STOCK NUMBER OR THE IDENTIFICATION INFORMATION OF THE END EQUIPMENT FOR WHICH THE ITEM IS A PART.

@Reply Instructions: Enter the applicable NSN or identification information in clear text. (e.g., AGAVG1234-00-123-1234*; AGAVGCATERPILLAR MODEL RD8*)

@
ALL AWJN J UNPACKAGED UNIT WEIGHT

Definition: THE MEASURED WEIGHT OF AN ITEM UNENCUMBERED BY PACKAGING OR PACKING MATERIAL.

@Reply Instructions: Enter the applicable reply code from the table below, followed by the numeric value. (e.g., AWJNJAS10.500*; AWJNJAJ4.8*)

For items indicating pounds and ounces, see Appendix C, Table 1, for conversion. (e.g., AWJNJAS10.500*)

REPLY CODE	REPLY
AS	POUNDS
BA	GRAMS
AJ	KILOGRAMS

@
ALL BBRH J INSPECTION FREQUENCY

Definition: THE SPECIFIED TIME INTERVAL NECESSARY TO DETECT MATERIAL DETERIORATION THAT WILL AFFECT STOCK READINESS.

Reply Instructions: Enter the applicable reply codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BBRHJAEAC6*; BBRHJAFAB1$$JAEAC6*)

Table 1

REPLY CODE	REPLY
AD	HOURS
AG	DAYS
AE	MONTHS
AF	YEARS

Table 2

REPLY CODE	REPLY
AB	FIRST INSPECTION
AC	REINSPECTION

@
ALL BBRJ D SPECIAL HANDLING FEATURE

Definition: THAT UNUSUAL OR UNIQUE CHARACTERISTIC(S) OR QUALITY(IES) OF AN ITEM WHICH NECESSITATES THE ESTABLISHMENT OF A REQUIREMENT FOR SPECIAL HANDLING.

Reply Instructions: Enter the applicable reply code from the table below. (e.g., BBRJDAB*; BBRJDAC$$DAE*)

APPL KEY	PAC	MODE CODE	REQUIREMENTS

REPLY CODE	REPLY
AB	CORROSIVE
AC	EXPLOSIVE
AD	FLAMMABLE
AE	FRAGILE

ALL BGTB H STORAGE FACILITY

Definition: THE STORAGE FACILITY STANDARDS ESTABLISHED TO ASSURE THE SERVICEABILITY OF SUPPLIES IN STORAGE.

Reply Instructions: Enter the applicable reply codes from Tables 1, 2, and 3 below. (e.g., BGTBHBASAB*)

If a reply is given for mandatory, replies for preferred and alternate cannot be utilized.

If a reply is given for preferred, a reply for alternate must be given. Likewise, if a reply is given for alternate, a reply for preferred must be given. Enter the preferred reply first. (e.g., BGTBHCASAC$$HDAWAB*)

Table 1

REPLY CODE	REPLY
D	ALTERNATE
B	MANDATORY
C	PREFERRED

Table 2

REPLY CODE	REPLY
AB	ABOVE GROUND MAGAZINE
AT	DOCK LEVEL HEATED WAREHOUSE
AX	DOCK LEVEL UNHEATED WAREHOUSE
AS	GROUND LEVEL HEATED WAREHOUSE
AW	GROUND LEVEL UNHEATED WAREHOUSE
AF	IGLOO MAGAZINE
AG	IMPROVED OPEN
AR	SHED

Table 3

REPLY CODE	REPLY
AF	CHILL
AC	CONTROLLED HUMIDITY
AD	FLAMMABLE
AG	FREEZE
AB	GENERAL PURPOSE
AH	HEAVY DUTY
AE	SECURITY

FIIG A239
SECTION III

APPL KEY	PAC	MODE CODE	REQUIREMENTS

NOTE FOR PAC RADD: IF REPLY CODE "P" WAS ENTERED FOR PAC RADC IN SECTION I, A REPLY MUST BE ENTERED FOR PAC RADD.

ALL RADD (See Note Above) J RADIONUCLIDES DATA

Definition: THE NAME AND AMOUNT OF THE RADIONUCLIDE.

Reply Instructions: Enter the applicable reply code from the table below, followed by the applicable reply code from Appendix A, Table 2, and the numeric value. Where radioactivity varies from one sample to another, enter the maximum value. (e.g., RADDJJFAAAD10.000*)

REPLY CODE	REPLY
JH	MICROCURIES
JG	MILLICURIES
JF	CURIES

ALL PRMT D PRECIOUS MATERIAL

Definition: IDENTIFICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM.

@Reply Instructions: Enter the applicable reply code from the table below. (e.g., PRMTDAGAØØØ*; PRMTDAUAØØØ$$DAGAØØØ*; PRMTDAGAØØØ$DAUAØØØ)

REPLY CODE	REPLY
AUAØØØ	GOLD
@IRAØØØ	IRIDIUM
AZAØØØ	OSMIUM
PDAØØØ	PALLADIUM
PTAØØØ	PLATINUM
RHAØØØ	RHODIUM
@RTAØØØ	RUTHENIUM
AGAØØØ	SILVER

ALL PMWT J PRECIOUS MATERIAL AND WEIGHT

Definition: AN INDICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM, AND THE AMOUNT PER A MEASUREMENT SCALE.

Reply Instructions: Enter the applicable reply codes from Tables 1 and 2 below, followed by the numeric value. Enter multiple replies in Table 1 sequence. (e.g., PMWTJPTAØØØRØ.78Ø*; PMWTJAUAØØØFØ.5ØØ$$JAGAØØØRØ.78Ø*)

Table 1

REPLY CODE	REPLY
AUAØØØ	GOLD
@IRAØØØ	IRIDIUM
AZAØØØ	OSMIUM
PDAØØØ	PALLADIUM
PTAØØØ	PLATINUM
RHAØØØ	RHODIUM
@RTAØØØ	RUTHENIUM
AGAØØØ	SILVER

Table 2

REPLY CODE	REPLY
E	GRAINS, TROY
R	GRAMS
F	OUNCES, TROY

APPL KEY	PAC	MODE CODE	REQUIREMENTS
ALL	PMLC	J	PRECIOUS MATERIAL AND LOCATION

Definition: AN INDICATION OF THE PRECIOUS MATERIAL AND ITS LOCATION IN THE ITEM.

@Reply Instructions: Enter the applicable reply code from the table below, followed by the location in clear text. (e.g., PMLCJAUA000TERMINALS*; PMLCJAUA000TERMINALS$$JAGA000INTERNAL SURFACES*; PMLCJAGA000TERMINALS$JAUA000INTERNAL SURFACES*)

REPLY CODE	REPLY
AUA000	GOLD
@IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
@RTA000	RUTHENIUM
AGA000	SILVER

ALL	ZZZV	G	FSC APPLICATION DATA

Definition: THE JUSTIFICATION FOR THE ASSIGNMENT OF A FEDERAL SUPPLY CLASS (FSC) TO AN ITEM BASED ON THE CLASSIFICATION OF THE NEXT HIGHER CLASSIFIABLE ASSEMBLY.

Reply Instructions: Enter the name of the next higher classifiable assembly in clear text. (e.g., ZZZVGFUEL SYSTEM, GASOLINE ENGINE, NONAIRCRAFT*)

ALL	ZZZP	J	PURCHASE DESCRIPTION IDENTIFICATION

Definition: THE CONTROLLING ACTIVITY AND IDENTIFICATION OF A DOCUMENT USED IN LIEU OF A SPECIFICATION IN THE PROCUREMENT OF AN ITEM OF SUPPLY.

@Reply Instructions: Enter the 5-digit manufacturer's code, followed by a dash and the identifying number of the document. (e.g., ZZZPJ81337-30624A*)

INDEX TO APPENDIX A

	Page No.
Table 1 - NONDEFINITIVE SPEC/STD DATA	A-2 and A-3
Table 2 - RADIONUCLIDES DATA	A-3 through A-7

NONDEFINITIVE SPEC/STD DATA

Table 1

REPLY CODE	REPLY
AL	ALLOY
AC	APPLICABILITY CLASS
AR	ARRANGEMENT
AS	ASSEMBLY
AB	ASSORTMENT
BX	BOX
CY	CAPACITY
CA	CASE
CT	CATEGORY
CL	CLASS
CE	CODE
CR	COLOR
CP	COMPOSITION
CM	COMPOUND
CD	CONDITION
CS	CONSTRUCTION
DE	DESIGN
DG	DESIGNATOR
DW	DRAWING NUMBER
EG	EDGE
FG	FIGURE
FN	FINISH
FM	FORM
FA	FORMULA
GR	GRADE
GP	GROUP
TM	ITEM
KD	KIND
KT	KIT
LG	LENGTH
LT	LIMIT
MK	MARK
ML	MATERIAL
MH	MESH
ME	METHOD
MD	MODEL
MT	MOUNTING
NR	NUMBER
PT	PART
PN	PATTERN
PC	PHYSICAL CONDITION
PS	PIECE
PL	PLAN
QA	QUALITY
RN	RANGE
RT	RATING
RF	REFERENCE NUMBER
SC	SCHEDULE
SL	SELECTION

Table 1 (continued)

REPLY CODE	REPLY
SE	SERIES
SV	SERVICE
SX	SET
SA	SHADE
SH	SHAPE
SZ	SIZE
PZ	SPECIES
SD	SPEED
ST	STYLE
SS	SUBCLASS
SF	SUBFORM
SP	SUBTYPE
SN	SURFACE CONDITION
SY	SYMBOL
SM	SYSTEM
TB	TABLE
TN	TANNAGE
TP	TEMPER
TX	TEXTURE
TK	THICKNESS
TT	TREATMENT
TR	TRIM
TY	TYPE
YN	UNIT
VA	VARIETY
WT	WEIGHT
WD	WIDTH

FIIG A239
APPENDIX A

RADIONUCLIDES DATA

Table 2

REPLY CODE	MATERIAL ELEMENT	RADIONUCLIDES
AAAB	ACTINIUM (89)	AC-227
AAAC	ACTINIUM (89)	AC-228
AAAD	AMERICIUM (95)	AM-241
AAAE	AMERICIUM (95)	AM-243
AAAF	ANTIMONY (51)	SB-122
AAAG	ANTIMONY (51)	SB-124
AAAH	ANTIMONY (51)	SB-125
AAAJ	ARGON (18)	AR-37
AAAK	ARGON (18)	AR-41
AAAL	ARGON (18)	AR-41, UNCOMPRESSED
AAAM	ARSENIC (33)	AS-73
AAAN	ARSENIC (33)	AS-74
AAAP	ARSENIC (33)	AS-76
AAAQ	ARSENIC (33)	AS-77
AAAR	ASTATINE (85)	AT-211
AAAS	BARIUM (56)	BA-131
AAAT	BARIUM (56)	BA-133
AAAW	BARIUM (56)	BA-140
AAAX	BERKELIUM (97)	BK-249
AAAY	BERYLIUM (4)	BE-7
AAAZ	BISMUTH (83)	BI-206
AABA	BISMUTH (83)	BI-207
AABB	BISMUTH (83)	BI-210
AABC	BISMUTH (83)	BI-212
AABD	BROMINE (35)	BR-82
AABE	CADMIUM (48)	CD-109
AABF	CADMIUM (48)	CD-115M
AABG	CADMIUM (48)	CD-115
AABH	CALCIUM (20)	CA-45
AABJ	CALCIUM (20)	CA-47
AABK	CALIFORMIUM (98)	CF-249
AABL	CALIFORMIUM (98)	CF-250
AABM	CALIFORMIUM (98)	CF-252
AABN	CARBON (6)	C-14
AABP	CERIUM (58)	CE-141
AABQ	CERIUM (58)	CE-143
AABR	CERIUM (58)	CE-144
AABS	CESIUM (55)	CS-131
AABT	CESIUM (55)	CS-134M
AABW	CESIUM (55)	CS-134

Table 2 (continued)

REPLY CODE	MATERIAL ELEMENT	RADIONUCLIDES
AABX	CESIUM (55)	CS-135
AABY	CESIUM (55)	CS-136
AABZ	CESIUM (55)	CS-137
AACA	CHLORINE (17)	CL-36
AACB	CHLORINE (17)	CL-38
AACC	CHROMIUM (24)	CR-51
AACD	COBALT (27)	CO-56
AACE	COBALT (27)	CO-57
AACF	COBALT (27)	CO-58M
AACG	COBALT (27)	CO-58
AACH	COBALT (57)	CO-60
AACJ	COPPER (29)	CU-64
AACK	CURIUM (96)	CM-242
AACL	CURIUM (96)	CM-243
AACM	CURIUM (96)	CM-244
AACN	CURIUM (96)	CM-245
AACP	CURIUM (96)	CM-246
AACQ	DYSPROSIUM (66)	DY-154
AACR	DYSPROSIUM (66)	DY-165
AACS	DYSPROSIUM (66)	DY-166
AACT	ERBIUM (68)	ER-169
AACW	ERBIUM (68)	ER-171
AACX	EUROPIUM (63)	EU-150
AACY	EUROPIUM (63)	EU-152M
AACZ	EUROPIUM (63)	EU-152
AADA	EUROPIUM (63)	EU-154
AADB	EUROPIUM (63)	EU-155
AADC	FLUORINE (9)	F-18
AADD	GADOLINIUM (64)	GD-153
AADE	GADOLINIUM (64)	GD-159
AADF	GALLIUM (31)	GA-67
AADG	GALLIUM (31)	GA-72
AADH	GERMANIUM (32)	GE-71
AADJ	GOLD (79)	AU-193
AADK	GOLD (79)	AU-194
AADL	GOLD (79)	AU-195
AADM	GOLD (79)	AU-196
AADN	GOLD (79)	AU-198
AADP	GOLD (79)	AU-199
AADQ	HAFNIUM (72)	HF-181
AADR	HOLMIUM (67)	HO-166
	HYDROGEN (1)	H-3 (see TRITIUM)
AADS	INDIUM (49)	IN-113M
AADT	INDIUM (49)	IN-114M
AADW	INDIUM (49)	IN-115M
AADX	INDIUM (49)	IN-115
AADY	IODINE (53)	I-124
AADZ	IODINE (53)	I-125
AAEA	IODINE (53)	I-126
AAEB	IODINE (53)	I-129
AAEC	IODINE (53)	I-131
AAED	IODINE (53)	I-132
AAEE	IODINE (53)	I-133
AAEF	IODINE (53)	I-134
AAEG	IODINE (53)	I-135
AAEH	IRIDIUM (77)	IR-190

Table 2 (continued)

REPLY CODE	MATERIAL ELEMENT	RADIONUCLIDES
AAEJ	IRIDIUM (77)	IR-192
AAEK	IRIDIUM (77)	IR-194
AAEL	IRON (26)	FE-55
AAEM	IRON (26)	FE-59
AAEN	KRYPTON (36)	KR-85M
AAEP	KRYPTON (36)	KR-85M, UNCOMPRESSED
AAEQ	KRYPTON (36)	KR-85
AAER	KRYPTON (36)	KR-85, UNCOMPRESSED
AAES	KRYPTON (36)	KR-87
AAET	KRYPTON (36)	KR-87, UNCOMPRESSED
AAEW	LANTHANUM (57)	LA-140
AAEX	LEAD (82)	PB-203
AAEY	LEAD (82)	PB-210
AAEZ	LEAD (82)	PB-212
AAFA	LUTECIUM (71)	LU-172
AAFB	LUTECIUM (71)	LU-177
AAFC	MAGNESIUM (12)	MG-28
AAFD	MANGANESE (25)	MN-52
AAFE	MANGANESE (25)	MN-54
AAFF	MANGANESE (25)	MN-56
AAFG	MERCURY (80)	HG-197M
AAFH	MERCURY (80)	HG-197
AAFJ	MERCURY (80)	HG-203
AAFK	MIXED FISSION PRODUCTS	MG-P
AAFL	MOLYBDENUM (42)	MO-99
AAFM	NEODYMIUM (60)	ND-147
AAFN	NEODYMIUM (60)	ND-149
AAFP	NEPTUNIUM (93)	NP-237
AAFQ	NEPTUNIUM (93)	NP-239
AAFR	NICKEL (28)	NI-56
AAFS	NICKEL (28)	NI-59
AAFT	NICKEL (28)	NI-63
AAFW	NICKEL (28)	NI-65
AAFX	NIOBIUM (41)	NB-93M
AAFY	NIOBIUM (41	NB-95
AAFZ	NIOBIUM (41)	NB-97
AAGA	OSMIUM (76)	OS-185
AAGB	OSMIUM (76)	OS-191M
AAGC	OSMIUM (76)	OS-191
AAGD	OSMIUM (76)	OS-193
AAGE	PALLADIUM (46)	PD-103
AAGF	PALLADIUM (46)	PD-109
AAGG	PHOSPHOROUS (15)	P-32
AAGH	PLATINUM (78)	PT-191
AAGJ	PLATINUM (78)	PT-193
AAGK	PLATINUM (78)	PT-193M
AAGL	PLATINUM (78)	PT-197M
AAGM	PLATINUM (78)	PT-197
AAGN	PLUTONIUM (94)	PU-238
AAGP	PLUTONIUM (94)	PU-239
AAGQ	PLUTONIUM (94)	PU-240
AAGR	PLUTONIUM (94)	PU-241
AAGS	PLUTONIUM (94)	PU-242
AAGT	POLONIUM (84)	PO-210
AAGW	POTASSIUM (19)	K-42

Table 2 (continued)

REPLY CODE	MATERIAL ELEMENT	RADIONUCLIDES
AAGX	POTASSIUM (19)	K-43
AAGY	PRASEODYMIUM (59)	PR-142
AAGZ	PRASEODYMIUM (59)	PR-143
AAHA	PROMETHIUM (61)	PM-147
AAHB	PROMETHIUM (61)	PM-149
AAHC	PROTACTINIUM (91)	PA-230
AAHD	PROTACTINIUM (91)	PA-231
AAHE	PROTACTINIUM (91)	PA-233
AAHF	RADIUM (88)	RA-223
AAHG	RADIUM (88)	RA-224
AAHH	RADIUM (88)	RA-226
AAHJ	RADIUM (88)	RA-228
AAHK	RADON (86)	RN-220
AAHL	RADON (86)	RN-222
AAHM	RHENIUM (75)	RE-183
AAHN	RHENIUM (75)	RE-186
AAHP	RHENIUM (75)	RE-187
AAHQ	RHENIUM (75)	RE-188
AAHR	RHENIUM (75)	RE-NATURAL
AAHS	RHODIUM (45)	RH-103M
AAHT	RHODIUM (45)	RH-105
AAHW	RUBIDIUM (37)	RB-86
AAHX	RUBIDIUM (37)	RB-87
AAHY	RUBIDIUM (37)	RB-NATURAL
AAHZ	RUTHENIUM (44)	RU-97
AAJA	RUTHENIUM (44)	RU-103
AAJB	RUTHENIUM (44)	RU-105
AAJC	RUTHENIUM (44)	RU-106
AAJD	SAMARIUM (62)	SM-145
AAJE	SAMARIUM (62)	SM-147
AAJF	SAMARIUM (62)	SM-151
AAJG	SAMARIUM (62)	SM-153
AAJH	SCANDIUM (21)	SC-46
AAJJ	SCANDIUM (21)	SC-47
AAJK	SCANDIUM (21)	SC-48
AAJL	SELENIUM (34)	SE-75
AAJM	SILICON (14)	SI-31
AAJN	SILVER (47)	AG-105
AAJP	SILVER (47)	AG-110M
AAJQ	SILVER (47)	AG-111
AAJR	SODIUM (11)	NA-22
AAJS	SODIUM (11)	NA-24
AAJT	STRONTIUM (38)	SR-85M
AAJW	STRONTIUM (38)	SR-85
AAJX	STRONTIUM (38)	SR-89
AAJY	STRONTIUM (38)	SR-90
AAJZ	STRONTIUM (38)	SR-91
AAKA	STRONTIUM (38)	SR-92
AAKB	SULPHUR (16)	S-35
AAKC	TANTALUM (73)	TA-182
AAKD	TECHNETIUM (43)	TC-96M
AAKE	TECHNETIUM (43)	TC-96
AAKF	TECHNETIUM (43)	TC-97M
AAKG	TECHNETIUM (43)	TC-97
AAKH	TECHNETIUM (43)	TC-99M
AAKJ	TECHNETIUM (43)	TC-99

Table 2 (continued)

REPLY CODE	MATERIAL ELEMENT	RADIONUCLIDES
AAKK	TELLURIUM (52)	TE-125M
AAKL	TELLURIUM (52)	TE-127M
AAKM	TELLURIUM (52)	TE-127
AAKN	TELLURIUM (52)	TE-129M
AAKP	TELLURIUM (52)	TE-129
AAKQ	TELLURIUM (52)	TE-131M
AAKR	TELLURIUM (52)	TE-132
AAKS	TERBIUM (65)	TB-160
AAKT	THALLIUM (81)	TL-200
AAKW	THALLIUM (81)	TL-201
AAKX	THALLIUM (81)	TL-202
AAKY	THALLIUM (81)	TL-204
AAKZ	THORIUM (90)	TH-227
AALA	THORIUM (90)	TH-228
AALB	THORIUM (90)	TH-230
AALC	THORIUM (90)	TH-231
AALD	THORIUM (90)	TH-232
AALE	THORIUM (90)	TH-234
AALF	THORIUM (90)	TH-NATURAL
AALG	THULIUM (69)	TM-168
AALH	THULIUM (69)	TM-170
AALJ	THULIUM (69)	TM-171
AALK	TIN (50)	SN-113
AALL	TIN (50)	SN-117M
AALM	TIN (50)	SN-121
AALN	TIN (50)	SN-125
AALP	TRITIUM (1)	H-3
AALQ	TRITIUM (1)	H-3 AS GAS, LUMINOUS PAINT, OR ADSORBED ON SOLID MATERIAL
AALR	TUNGSTEN (74)	W-181
AALS	TUNGSTEN (74)	W-185
AALT	TUNGSTEN (74)	W-187
AALW	URANIUM (92)	U-230
AALX	URANIUM (92)	U-232
AALY	URANIUM (92)	U-233
AALZ	URANIUM (92)	U-234
AAMA	URANIUM (92)	U-235
AAMB	URANIUM (92)	U-236
AAMC	URANIUM (92)	U-238
AAMD	URANIUM (92)	U-NATURAL
AAME	URANIUM (92)	U-ENRICHED
AAMF	URANIUM (92)	U-DEPLETED
AAMG	VANADIUM (23)	V-48
AAMH	VANADIUM (23)	V-49
AAMJ	XENON (54)	XE-125
AAMK	XENON (54)	XE-131M
AAML	XENON (54)	XE-131M, UNCOMPRESSED
AAMM	XENON (54)	XE-133
AAMN	XENON (54)	XE-133, UNCOMPRESSED
AAMP	XENON (54)	XE-135
AAMQ	XENON (54)	XE-135, UNCOMPRESSED
AAMR	YTTERBIUM (70)	YB-175
AAMS	YTTRIUM (39)	Y-88
AAMT	YTTRIUM (39)	Y-90
AAMW	YTTRIUM (39)	Y-91M
AAMX	YTTRIUM (39)	Y-91

Table 2 (continued)

REPLY CODE	MATERIAL ELEMENT	RADIONUCLIDES
AAMY	YTTRIUM (39)	Y-92
AAMZ	YTTRIUM (39)	Y-93
AANA	ZINC (30)	ZN-65
AANB	ZINC (30)	ZN-69M
AANC	ZINC (30)	ZN-69
AAND	ZIRCONIUM (40)	ZR-93
AANE	ZIRCONIUM (40)	ZR-95
AANF	ZIRCONIUM (40)	ZR-97

OUNCE TO DECIMAL OF A POUND CONVERSION CHART

OUNCES	POUNDS
1	0.062
2	0.125
3	0.188
4	0.250
5	0.312
6	0.375
7	0.438
8	0.500
9	0.562
10	0.625
11	0.688
12	0.750
13	0.812
14	0.875
15	0.938
16	1.000

APPENDIX D

FUNCTIONAL AND OPERATIONAL INDEX

PAC	DESIGN SELECTION	DISPOSAL	IDENTIFICATION LISTINGS	ITEM REDUCTION	MAINTENANCE	PACKAGING	PURCHASE DESCRIPTION	STORAGE	SUPPLY MANAGEMENT	TECHNICAL DATA MANAGEMENT	TRANSPORTATION	UTILIZATION
NAME	X	X	X	X	X	X	X	X	X	X	X	X
TEXT	X	X	X	X	X	X	X	X	X	X	X	X
@TEST	X	X	X	X	-	-	X	-	-	X	-	-
@SPCL	X	X	X	X	-	-	X	-	-	X	-	-
ZZZS	X	-	-	X	X	-	X	-	X	X	-	X
ZZZT	X	-	-	X	X	-	X	-	X	X	-	X
ZZZW	X	-	-	X	X	-	X	-	X	X	-	X
ZZZX	X	-	-	X	X	-	X	-	X	X	-	X
ZZZY	X	-	-	X	X	-	X	-	X	X	-	X
CRTL	X	-	-	X	X	-	-	-	X	X	-	X
RADC	-	-	-	-	-	-	-	X	-	-	-	X
ELRN	X	-	-	X	X	-	X	-	-	X	-	X
@ELCD	X	-	-	X	X	-	X	-	-	X	-	X
ADZC	-	-	-	-	-	X	-	X	X	-	X	X
AFJK	-	-	-	-	-	X	-	X	-	-	X	X
AFJN	-	-	-	-	-	X	-	X	-	-	X	X
AFJQ	-	X	-	-	-	-	-	X	-	-	-	X
AGAV	-	X	-	X	X	-	-	X	X	X	-	X
AGQZ	-	X	-	-	-	-	-	-	-	-	-	X
AJZB	-	X	-	-	-	-	-	-	-	-	-	X
AWJN	-	-	-	-	-	X	-	X	-	-	X	X
BBRH	-	-	-	-	X	-	-	X	-	-	-	-
BBRJ	-	-	-	-	-	-	-	-	-	-	-	X
BGTB	-	-	-	-	-	-	-	-	-	-	-	X
RADD	-	-	-	-	-	-	-	X	-	-	-	X
PRMT	X	X	-	-	-	X	X	X	X	-	X	X
PMWT	X	X	-	-	-	X	X	X	X	-	X	X
PMLC	X	X	-	-	-	X	X	X	X	-	X	X
ZZZV	X	-	-	X	X	-	-	-	X	X	-	X
ZZZP	X	-	-	X	X	-	-	-	X	X	-	X

@CHARACTERISTICS SEARCH PROCEDURES

INDEX TO APPENDIX E

	Page No.
1 - CHARACTERISTICS SEARCH GENERAL INFORMATION	E-2
2 - CHARACTERISTICS SEARCH APPLICABILITY INDEX	E-3
3 - CHARACTERISTICS SEARCH PROCEDURES	E-4

CHARACTERISTICS SEARCH GENERAL INFORMATION

1. The Characteristics Search program provides a means of querying that portion of the DIDS computer data base that contains the various physical and/or performance characteristics of the Item Identifications (IIs) presently inventoried in the Federal Supply System. This program is entirely separate and distinct from the National Stock Number (NSN) assignment process and is designed to serve a wide variety of logistics functions. These functions include, but are not limited to, provisioning screening, standardization, item entry control, parts control, and item reduction studies. The program is also designed to service a wide variety of customers including the military services, Federal government agencies, and civilian contractors.

2. The Characteristics Search program normally requires the submittal of a minimum number of mandatory characteristics requirements (i.e., Key PACs). The remaining FIIG requirements become optional for a Characteristics Search request (i.e., Non-Key PACs). Due to the structure of this FIIG, that concept is not feasible. The actual item identifying characteristics are contained in a single requirement; GENERAL CHARACTERISTICS ITEM DESCRIPTION (PAC TEXT). Since this requirement calls for an undisciplined, clear text reply, the chances of structuring an input in a manner that will result in a match condition, and thereby locate the desired item, are almost nil. Characteristics Search is therefore not authorized against the Approved Item Names contained in this FIIG as the extraction of their data is more practical utilizing other DIDS programs.

3. Another unique feature of this FIIG is the capability of using it to introduce into the DIDS characteristics data base items with Unapproved Item Names (INC 77777). Since this action is only intended to be temporary until these items can be recataloged against an Approved Item Name in an appropriate FIIG, a means of extracting items with selected unapproved names is needed. The Characteristics Search program provides such a capability.

4. Since all Unapproved Item Names are entered as clear text replies to the ITEM NAME requirement (PAC NAME), Characteristics Search requests against this characteristic can be structured to select an item(s) with a desired name. Multiple search requests can be used to extract items with names similar but not identical to the desired Unapproved Item Name.

5. As the Characteristics Search reply to PAC NAME must be identical to the data base item's reply in order to extract said item from the file, prior knowledge of the structure of that item's Unapproved Item Name is most advantageous. This knowledge can be gleaned from the DLSC IMSS-15B report which lists the first nineteen characters of all unapproved names cataloged against this FIIG. If the unapproved name exceeds nineteen characters or if access to the DLSC IMSS-15B report is not available, contact the Characteristics Screening Section, DLSC-CGES, (AV) 369-6811 for assistance.

CHARACTERISTICS SEARCH APPLICABILITY INDEX

X = "MUST HAVE" KEY PAC (Reply Mandatory)

PAC	Page No.	77777
NAME	E-4	X

NOTE: Although numerous Approved Item Names are contained in this document, they are not operational on the Characteristics Search program. Transactions submitted against these INCs will be rejected to their submitter. In addition, search transactions submitted against INC 77777 and containing any PAC other than NAME will also result in a reject condition.

FIIG A239
APPENDIX E

APPL KEY	KEY PAC	MODE CODE	REQUIREMENTS
99999	NAME	D	ITEM NAME
			Change the Mode Code to E and enter the Unapproved Item Name in clear text. Do not include INC 77777 in this reply. (e.g., NAMEETRANSFORMER*)

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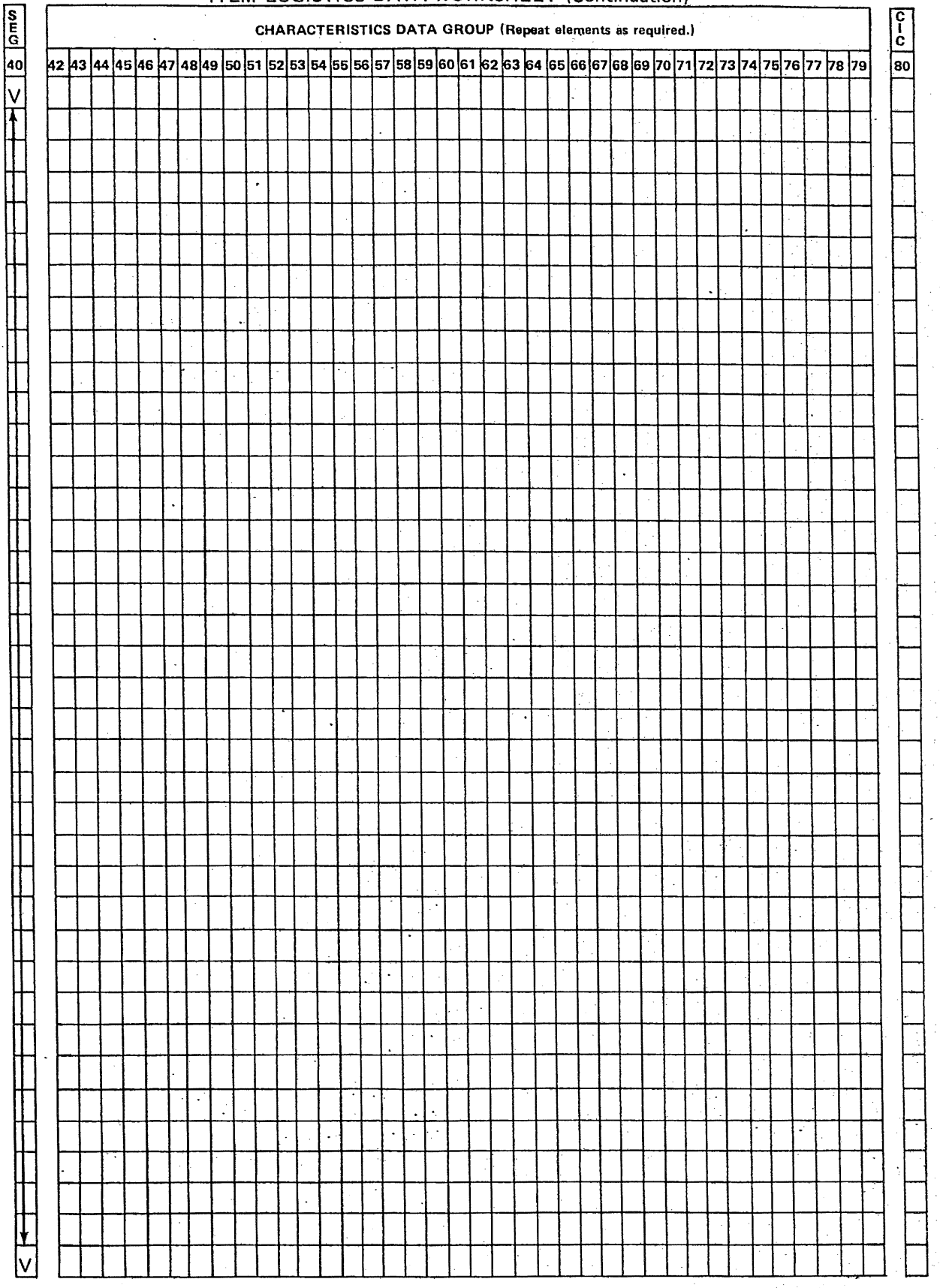
ITEM LOGISTICS DATA WORKSHEET (Continuation)



(Format prescribed by Fed. Std. 5F)

ITEM LOGISTICS DATA WORKSHEET

SEG	FIIG NO.						INC					ITEM NAME																		
40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70
A																														

SEG	CHARACTERISTICS DATA GROUP (Repeat elements as required.)																																						CIC
40	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
V																																							
V																																							

(Format prescribed by Fed. Std. 5F)